KOREAN COMMUNITY CENTER

NEW YORK, NEW YORK

Remedial Investigation Report

NYC VCP Project Number 13CVCP134M

Prepared for:

Samoo Architecture PC
620 Eighth Avenue, 38th Floor
New York, NY 10018

Prepared by:

Sustainable Management LLC
1370 Broadway, 5th Floor
New York, NY 10018
(646)380-1940

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
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 DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH 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
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Chunyuan Li, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Korean Community Center Site, (OER Project Number 13CVCP134M). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Li Chunyuan 5/17/2013

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) 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 remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 122 East 32nd Street in the Kips Bay section in Manhattan, New York and is identified as Block 887 and Lot 84 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 6,419-square feet and is bounded by East 32nd Street to the north, a Multi-Family Residence elevator building to the south, a commercial building to the east, and a commercial building to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is used as a vacant parking lot and contains no structures.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 7-story building with cellars for Korean Community Center. Layout of the proposed site development is presented in Figures 3 and 4. The current zoning designation is C6-2A. The proposed use is consistent with existing zoning for the property.

The project site was used for parking lot with pavement and is currently vacant. The proposed project is a 7-story building with cellars. The first floor would be used as a lobby and exhibition space, and would house some mechanical rooms for the building. The second floor would be used as an exhibition hall. The third floor would be used for a library. The fourth floor would be used for cooking and multi-purpose spaces. The fifth floor would be used for multi-purpose classrooms. The sixth floor would be used for office space. The seventh floor would be used for an electrical equipment rooms. The cellar and sub-cellar would contain a two-story auditorium, as well as upper and lower lobbies and mechanical rooms. The bottom of the proposed sub-cellar slab is 28 feet 4 inches. The proposed development would cover the entire footprint of the site (i.e. achieve a full build-out to the property boundaries). The excavation would be 28 feet 4 inches in depth. It is anticipated that the groundwater is approximately 30 feet below the grade. Therefore, the cellar slab would be above the groundwater. Total excavation of soil from the site would be approximately 6,700 cubic yards.

Summary of Past Uses of Site and Areas of Concern

The Phase I report was prepared by Merritt Engineering Consultants P.C. dated May 2005. This Phase I identified following recognized environmental conditions (RECs):

According to the report, a review of the historic Sanborn Fire Insurance Maps indicate that the two on-site buildings were vacant and one of the subject site buildings was used for manufacturing purposes in 1929. The subject property was used as an automobile parking lot after 1950. Currently there are no structures on the site except for parking attendant booth.

The subject site is currently vacant land and is fenced with board facing East 32nd Street. The subject site was used for a parking lot.

Summary of the Work Performed under the Remedial Investigation

The following scope of work was performed for the Korean Community Center:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed one (1) soil borings at the project Site and collected two (2) soil samples for chemical analysis from the soil borings to evaluate soil quality in 2013; Two (2) soil borings were installed in 2008 and four (4) soil samples were collected for chemical analysis. Three (3) additional soil borings were installed in 2010 and six (6) soil samples were collected for chemical analysis.
3. Installed one (1) groundwater monitoring well at the Site and collected one (1) groundwater sample for chemical analysis to evaluate groundwater quality in 2013; One (1) groundwater monitoring well was installed in 2008 and one (1) groundwater sample was collected for chemical analysis.
4. Installed three (3) soil vapor probes around the Site perimeter and collected three (3) samples for chemical analysis in 2013.

Summary of Environmental Findings

1. Elevation of the property ranges from 30 to 35 feet.
2. Depth to groundwater ranges from 29 to 31 feet at the Site.
3. Groundwater flow is generally from west to east beneath the Site.
4. Depth to bedrock is approximately 33 feet at the Site.

5. The stratigraphy of the site, from the surface down, consists of 10 feet of m-f sand, 5 feet of sandy clay and 15 feet of grey clay.

6. Soil/fill samples collected during the RI showed that no VOCs, PCBs or Pesticides were identified in exceedance of the Unrestricted Use Soil Cleanup Objectives (UUSCOs), except for the VOC acetone. No SVOCs were identified above UUSCOs in 2010 and 2013 soil samples. In 2008 soil samples, from one soil boring, seven (7) SVOCs were detected at concentrations above RRSCOs including, benzo(k)fluoranthene (5.2 – 12 ppm), chrysene (6.7 – 17 ppm), indeno(1,2,3-c,d)pyrene (1.9 – 4.0 ppm), (benzo(a)anthracene (6 – 13 ppm), benzo(a)pyrene (5.9 – 12 ppm), benzo(b)fluoranthene (5.4 – 11 ppm), and dibenzo(a,h)anthracene 0.76 – 1.6 ppm). In this sample four (4) SVOCs, (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene, also exceeded their respective RCSCOs. The seven (7) SVOCs were detected in shallow (0 – 5 ftbg) and deeper (5 – 10 ftbg) soils at the site. The SVOCs identified were all PAH compounds. Metals identified in the 2010 and 2013 soil samples were below their respective RRSCOs. In the same soil boring from the 2008 investigation in which the SVOCs were identified, one (1) metal, mercury, exceeded its RRSCO with a maximum concentration of 1.34 ppm and three (3) metals exceeded their RCSCOs, including barium (max of 870 ppm), beryllium (max of 795 ppm), and lead (max of 7,530 ppm).

7. Groundwater samples collected during the RI showed that no VOCs, SVOCs, PCBs or Pesticides were identified in exceedances of the New York State 6NYCRR Part 703.5 Class GA groundwater standards. In the 2013 groundwater sample, Antimony (12.5 ppb) exceeded its Class GA standard. Exceedences for various metals in 2008 groundwater sample are believed to be associated with unfiltered sample collection. Overall, groundwater results did not indicate a mobile contaminant source area on site.

8. Soil vapor samples collected during the RI showed low-level detections of petroleum related compounds and chlorinated solvents. Benzene was identified at 35.5 $\mu g/m^3$. Tetrachloroethylene was identified in soil vapor ranging from 3.3 – 11.5 $\mu g/m^3$. Maximum concentrations of Trichloroethylene of 0.27 $\mu g/m^3$ were observed and are consistent with background ambient air concentrations. None of these contaminants were identified in site soils or in ground water at the site.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

The Korean Community Center has committed to investigate and remediate the 0.15 acre site located at 122 East 32nd Street in Kips Bay section of Manhattan, New York. The site has been assigned project number 13CVCP134M by OER. A cultural center is proposed for the property. The RI work was performed on February 12, 2013. This RIR 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 122 East 32nd Street in the Kips Bay section in Manhattan, New York and is identified as Block 887 and Lot 84 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 6,419-square feet and is bounded by East 32nd Street to the north, a Multi-Family Residence elevator building to the south, a commercial building to the east, and a commercial building to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is used as a vacant parking lot and contains no structures.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of a 7-story building with cellar. Layout of the proposed site development is presented in Figures 3 and 4. The current zoning designation is C6-2A. The proposed use is consistent with existing zoning for the property.

The project site was used for a parking lot with pavement and is currently vacant. The proposed project is a 7-story building with cellars. The first floor would be used for a lobby. The second floor would be used for an exhibition hall. The third floor would be used for a library. The fourth floor would be used for cooking. The fifth floor would be used for multipurpose classrooms. The sixth floor would be used for offices. The seventh floor would be used for an electrical equipment room. The cellars would be used for an auditorium. The bottom of the cellar slab is 28 feet 4 inches. The proposed development would cover the entire footprint of the site (i.e. achieve a full build-out to the property boundaries). The excavation would be 28 feet 4

inches in depth. It is anticipated that the groundwater is approximately 30 feet below the grade. Therefore, the cellar slab would be above the groundwater. Total excavation of soil from the site would be approximately 6,700 cubic yards.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The subject site is located in the Kips Bay section of Manhattan, New York. The adjacent property to the north across East 32nd Street is a 16-story building for industrial/manufacturing use. The adjacent property to the east is 16-story commercial/office building. The adjacent property to the south is 12-story residential building. The adjacent property to the west is a 4-story commercial/office building. The project site is located in a C6-2A zoning district. The immediate surrounding neighborhood (400 foot radius study area) is characterized by a mixture of uses ranging from 4 to 35-stories, commercial/manufacturing businesses, multi-family residences, parking facilities, and institutions. The neighborhood with ¼-mile area includes zoning district of C6-2A, C4-5A, C55-3, C6-1, C6-4A and R8B for commercial/manufacturing, residential and institution uses.

Figure 5 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

The Phase I report was prepared by Merritt Engineering Consultants P.C. dated May 2005. This Phase I identified following recognized environmental conditions (RECs):

According to the report, a review of the historic Sanborn Fire Insurance Maps indicate that the two on-site buildings were vacant, and one of the subject site buildings was used for manufacturing purposes since at least 1929. The subject property was used as an automobile parking lot after 1950. Currently there are no structures on the site.

PREVIOUS INVESTIGATIONS

Studies were performed in 2008 and 2010 and include collection of environmental samples. These data are summarized in their entirety later in this report.

2.3 SITE INSPECTION

. The subject site is currently vacant land and is fenced with board facing East 32nd Street. The subject site was used for a parking lot.

2.4 AREAS OF CONCERN

According to the prior *Phase II Environmental Site Investigation Report*, December 2008 and April 2010, prepared by Ethan C Eldon Associates, Inc., the AOCs identified for this site include:

1. Surface soil on the north area of the site has elevated levels of SVOCs and metals.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Chunyuan Li.

3.2 HEALTH AND SAFETY

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

Health and Safety Plan has been submitted to the OER.

3.3 MATERIALS MANAGEMENT

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The following scope of work was performed for the Korean Community Center to supplement work performed in 2008 and 2010:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed one (1) soil boring at the project Site, and collected two (2) soil samples for chemical analysis from the soil boring to evaluate soil quality. In 2008 and 2010, 5 soil borings were performed and 10 soil samples were collected;
3. Installed one (1) groundwater monitoring well at the Site to establish groundwater flow and collected one (1) groundwater samples for chemical analysis to evaluate groundwater quality. In 2008, one groundwater well was installed and one sample was collected;
4. Installed three (3) soil vapor probes around Site perimeter and collected three (3) samples for chemical analysis.

4.1 GEOPHYSICAL INVESTIGATION

The geophysical survey has been performed across the entire site to investigate for the existence of potential underground storage tanks that were identified on historic Sanborn maps and previous reports. The boring locations will be selected referring to the geophysical survey results.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

The soil borings were advanced by Zebra Environmental Corporation (Zebra) using A track-mounted Geoprobe® 6610DT direct-push sampling rig. One (1) soil boring was advanced to thirty (30) feet below the grade. The soil is brown sand and clay. The PID screenings indicate no elevated VOC. No olfactory signs of contamination were noted.

Two [2] soil samples were collected from each borehole. One sample was collected at the 0-2 foot interval. The second sample was collected from the two-foot interval below the proposed excavation bottom. Samples were discrete grab samples.

Boring logs were prepared by a geotechnical engineer are attached in Appendix 1. A map showing the location of soil borings and monitor wells is shown in Figure 2.

Groundwater Monitoring Well Construction

The soil vapor borings were advanced by Zebra Environmental Corporation (Zebra) using track-mounted Geoprobe® 6610DT direct-push sampling rig. One (1) boring was advanced to 33 feet below the grade. One (1) temporary groundwater monitoring well was installed by inserting 1-inch diameter PVC well screen.

Monitor well locations are shown in Figure 2.

Survey

The geophysical survey has been performed across the entire site to investigate for the existence of potential underground storage tanks that were identified on historic Sanborn maps and previous reports. The boring locations were selected referring to the geophysical survey results. However, the boring location for groundwater is slightly different from the work plan due to multiple refusals. The actual boring location for the groundwater is presented in Figure 5.

Water Level Measurement

The groundwater is 30 feet below the grade.

Water level data is included in Table 1.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) 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 RIR 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

Soil boring was drilled with continuous split spoon soil sampling using a 48” long, 2” diameter Macro core stainless steel split spoon sampler fitted with disposable acetate liners and advanced from the street level (0 feet) to 30 feet below the grade. Soil sample intervals were visually inspected and screened with field instrumentation for volatile organic vapors. The field instrumentation used was a Photoionization Detector (PID), MiniRAE2000.

Two (2) soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, are reported in Table 1. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

The groundwater was purged first using a peristaltic pump, CHEMTECH XP100LVLX which is adjustable speed pump from 0 to 0.26 liter per minute. After the purging the groundwater was pumped to the sampling device (bottles) that a laboratory provided.

One (1) groundwater sample was collected for chemical analysis during this RI. Groundwater sample collection data is reported in Table 1. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix 1. Figure 2 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

The soil vapor borings were advanced by Zebra Environmental Corporation (Zebra) using track-mounted Geoprobe® 6610DT direct-push sampling rig. Three (3) soil vapor borings were advanced to 29 feet below the grade.

A clean drive point adaptor and new expendable point was advanced to approximately 29 feet below grade (2 feet below the proposed building basement). The probe rod was then retracted approximately 3 inches to create a void which allows the migration of soil vapor into the bottom of the drive point adaptor. Dedicated polyethylene tubing was then attached to the stainless steel adaptor and inserted into the probe rod and extended to the bottom of it.

After the soil vapor tubing was installed, the sampling points were purged of more than three sampler volumes using a peristaltic pump, CHEMTECH XP100LVLX which is adjustable speed pump from 0 to 0.26 liter per minute. Purged vapors were collected into a Tedlar bag and

field-screened for organic vapors using a PID, MiniRAE2000. The PID screening results are presented in the Chain of Custody. Following purging, a soil vapor sample was collected using the vacuum from the 6-liter (6L), batch-certified SUMMA canisters which are equipped with a vacuum gauge and flow regulator set to collect a 6-liter sample over a 2-hour sampling period, which corresponds to a flow rate of approximately 50 milliliters per minute (mL/min). Immediately after opening the flow control valve equipped with a 2-hour regulator, the initial SUMMA canister vacuum (inches of mercury) was noted and recorded in the Chain of Custody. After 2 hours, the flow controller valve was closed, the final vacuum noted, and the canister placed in a shipping carton for delivery to the laboratory. A helium tracer gas was used to verify that adequate sampling techniques are being implemented (i.e. to verify that infiltration of outdoor air is not occurring).

Three (3) soil vapor probes were installed and three (3) soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data is reported in Table 1. Soil vapor sampling logs are included in Appendix 1. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Chunyuan Li
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were CHEMTECH
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000);

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

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 4 to 6, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendices 2 and 3.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

The soil sampling drilling was advanced 30 feet from the grade. The top soil (0-2 feet) is composed of brown f-m sand. The soil from 2 to 10 feet is composed of brown f-m sand. The soil from 10 to 15 feet is composed of sandy clay. The soil from 15 to 30 feet is composed of grey clay. The bedrock is approximately 33 feet.

Hydrogeology

Groundwater generally follows the local topography and is expected to flow to the east.

5.2 SOIL CHEMISTRY

Data collected during the RI 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 4. Figure 2 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives. The following soil analysis includes the 2008, 2010 and 2013 samples (see Table 4).

The project is commercial and is thus subject to Track 2 Commercial Soil Cleanup Objectives and this analysis utilized the Track 1 Unrestricted Use SCOs (UUSCOs), Track 2 Restricted Residential Use SCOs (RRSCOs) and Track 2 Restricted Commercial Use SCOs (RCSCOs).

As shown in Table 4 Pesticides and PCBs are below the Track 1 UUSCOs for all soil samples including 2008, 2010 and 2013 soil samples. VOCs analyzed in 2008, 2010 and 2013 soil samples were all below the Track 1 UUSCOs, with the exception of one VOC, acetone (0.051 and 0.066 ppm) in one 2008 soil boring. No SVOCs were identified above UUSCOs in 2010 and 2013 soil samples. In 2008 soil samples, from one soil boring, seven (7) SVOCs were detected at concentrations above RRSCOs including, benzo(k)fluoranthene (5.2 – 12 ppm), chrysene (6.7 – 17 ppm), indeno(1,2,3-c,d)pyrene (1.9 – 4.0 ppm), (benzo(a)anthracene (6 – 13 ppm), benzo(a)pyrene (5.9 – 12 ppm), benzo(b)fluoranthene (5.4 – 11 ppm), and dibenzo(a,h)anthracene 0.76 – 1.6 ppm). In this sample four (4) SVOCs, (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene, also exceeded their

respective RCSCOs. The seven (7) SVOCs were detected in shallow (0 – 5 ftbg) and deeper (5 – 10 ftbg) soils at the site. The SVOCs identified were all PAH compounds. Metals identified in the 2010 and 2013 soil samples were below their respective RRSCOs. In the same soil boring from the 2008 investigation in which the SVOCs were identified, one (1) metal, mercury, exceeded its RRSCO with a maximum concentration of 1.34 ppm and three (3) metals exceeded their RCSCOs, including barium (max of 870 ppm), beryllium (max of 795 ppm), and lead (max of 7,530 ppm).

Based on an evaluation of the data and information from the RIR, the presence of significant amounts of inactive hazardous waste disposal as defined in 6 NYCRR Part 375 is not suspected at this site.

5.3 GROUNDWATER CHEMISTRY

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 5. Exceedence of applicable groundwater standards are shown in Table 5. The following groundwater analysis includes the 2008 and 2013 samples (see Table 5).

Figure 2 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

The groundwater analysis results indicate that no VOCs, SVOCs, PCBs or Pesticides were identified above their respective detection limits. The TAL metals were analyzed for both unfiltered and filtered samples. In the 2013 groundwater sample, Antimony (12.5 ppb) exceeded its Class GA standard. Some of the TAL metals were identified at concentrations exceeding their respective New York State 6NYCRR Part 703.5 Class GA groundwater standards (Class GA standards) in filtered samples (see Table 5). Exceedances for various metals in unfiltered groundwater samples is believed to be associated with sample turbidity. Overall, groundwater results did not indicate a mobile contaminant source area on site.

5.4 SOIL VAPOR CHEMISTRY

Data collected during the RI 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 6.

Figure 2 shows the location and posts the values for soil vapor samples with detected concentrations. Soil vapor samples were collected at 6 locations on the 0.15 acre site and showed wide spread but generally low to moderate levels of VOC compounds.

Data collected during the RI 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 6.

Total VOCs in soil vapor samples collected at the site ranged from 163.46 $\mu g/m^3$ to 340.97 $\mu g/m^3$. Low-level detections of petroleum related compounds and chlorinated solvents were identified. Individual compounds identified at low levels included benzene was identified at (35.5 $\mu g/m^3$), carbon tetrachloride (0.38 $\mu g/m^3$), tetrachloroethene (PCE) (ranged from 3.32 $\mu g/m^3$ to 11.5 $\mu g/m^3$), 1,1,1-trichloroethane (1,1,1-TCA) (0.16 $\mu g/m^3$) and trichloroethene (TCE) (0.16 $\mu g/m^3$ to 0.27 $\mu g/m^3$).

The highest total VOC occurs at location SG-3, which is located to the south. The highest PCE concentration (11.5 $\mu g/m^3$) also occured in soil vapor probe SG-3. The highest TCE concentration (0.27 $\mu g/m^3$) occured in soil vapor probe SG-1, which is located on the north of the site. However, this TCE result is typical of ambient background air concentrations. None of these contaminants were identified in site soils or in ground water at the site.

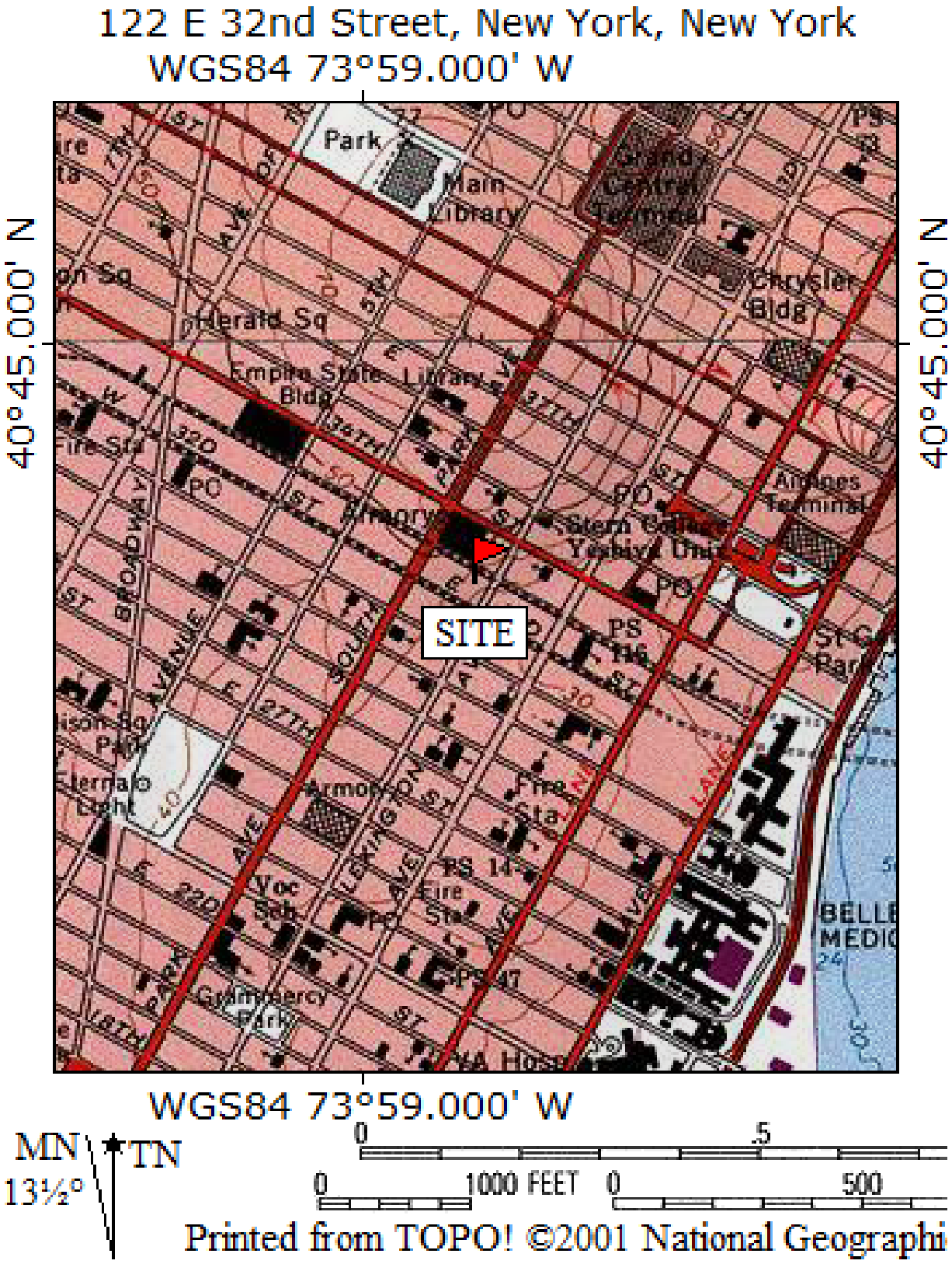
5.5 PRIOR ACTIVITY

Based on an evaluation of the data and information from the RIR, disposal of significant amounts 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. However, Sustainable Management LLC recommends the installation of a vapor barrier under the basement slab and around the basement walls based on the current and previous investigations.

Figure 1 Site Location Map



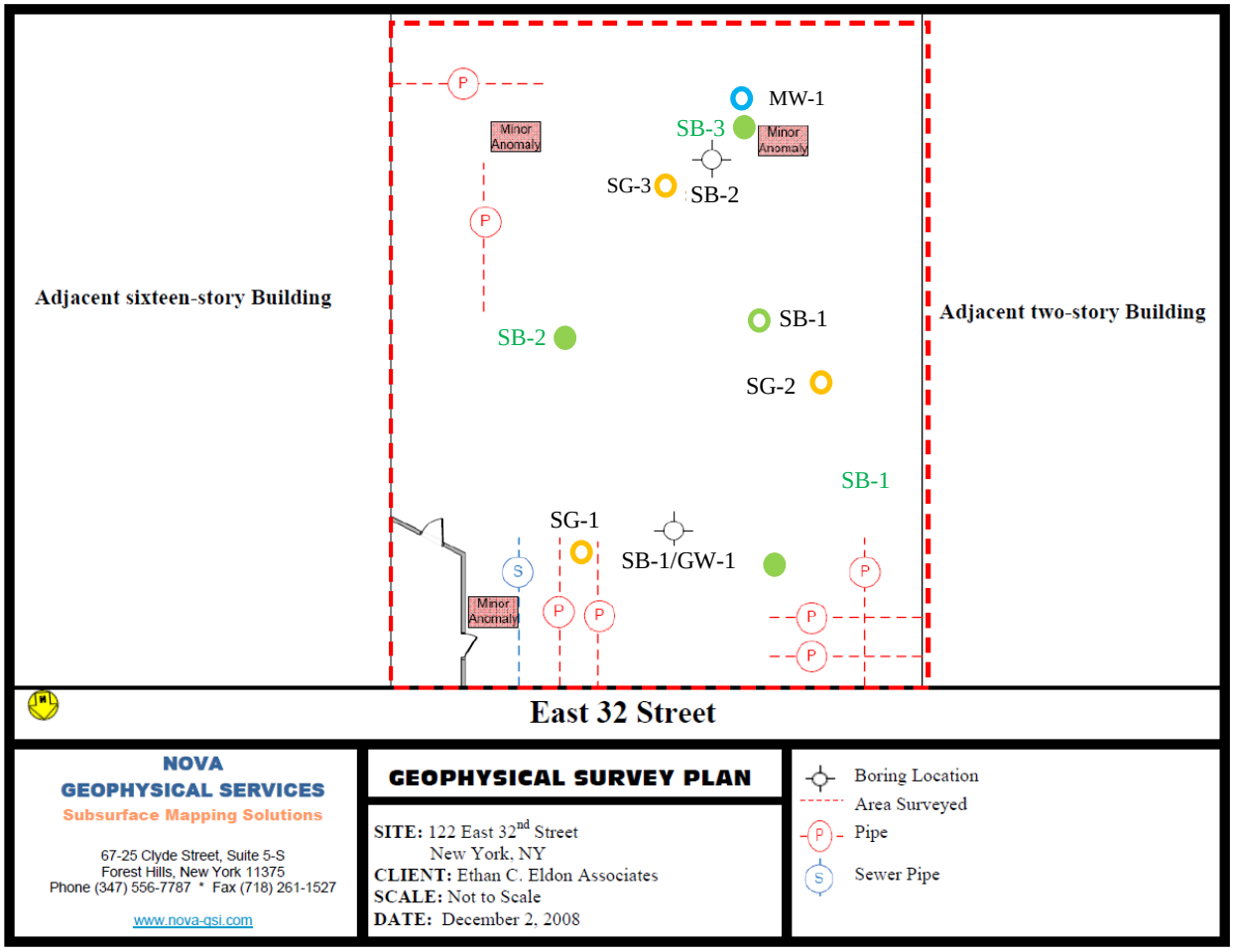


Figure 2 Sample Location Map

- 2008 Soil/GW boring location
- 2010 Soil boring location
- 2013 Soil boring location
- 2013 Groundwater boring location
- 2013 Soil vapor boring location

Figure 3 Proposed Cellar Plan

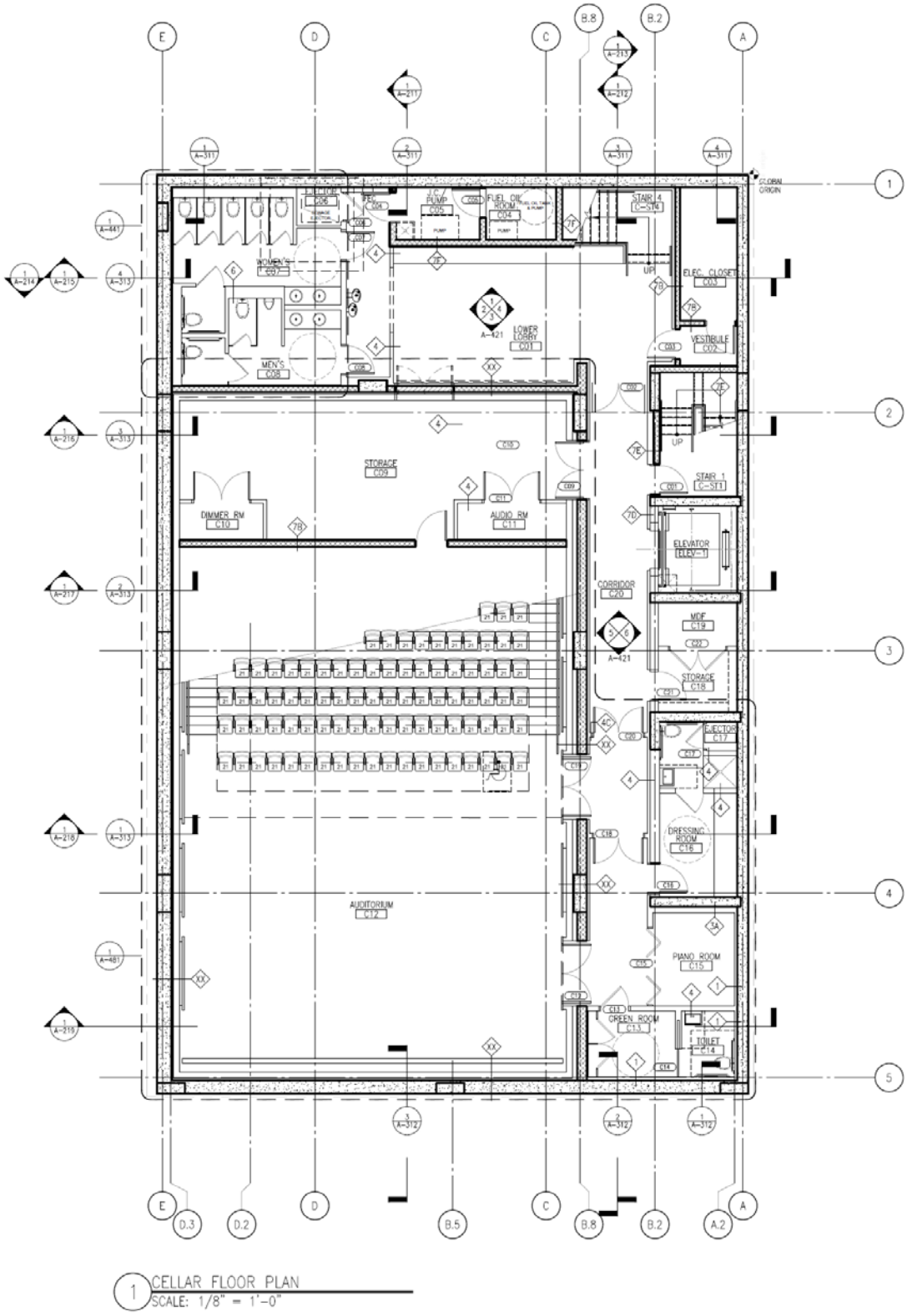


Figure 4 Proposed Building Elevation View

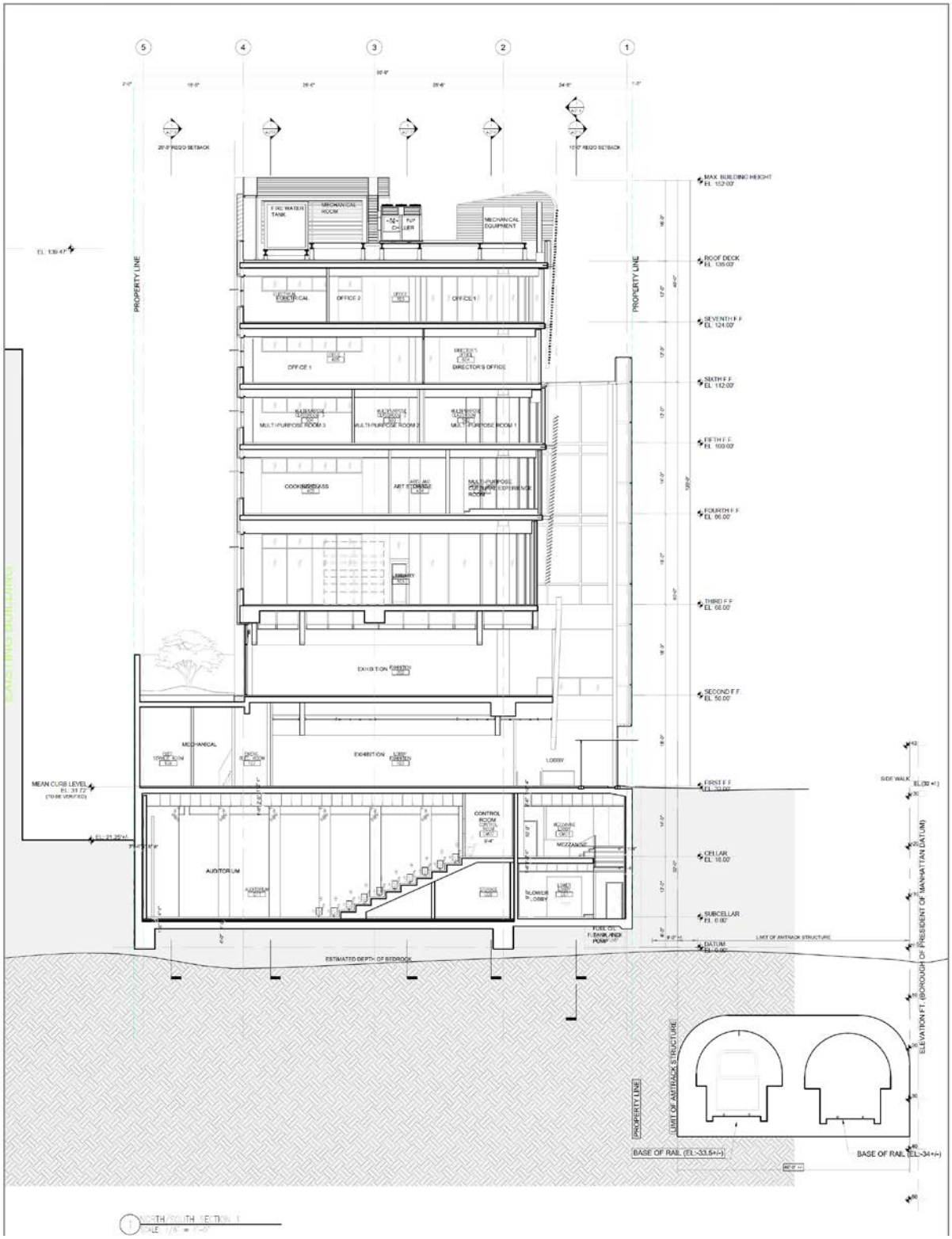
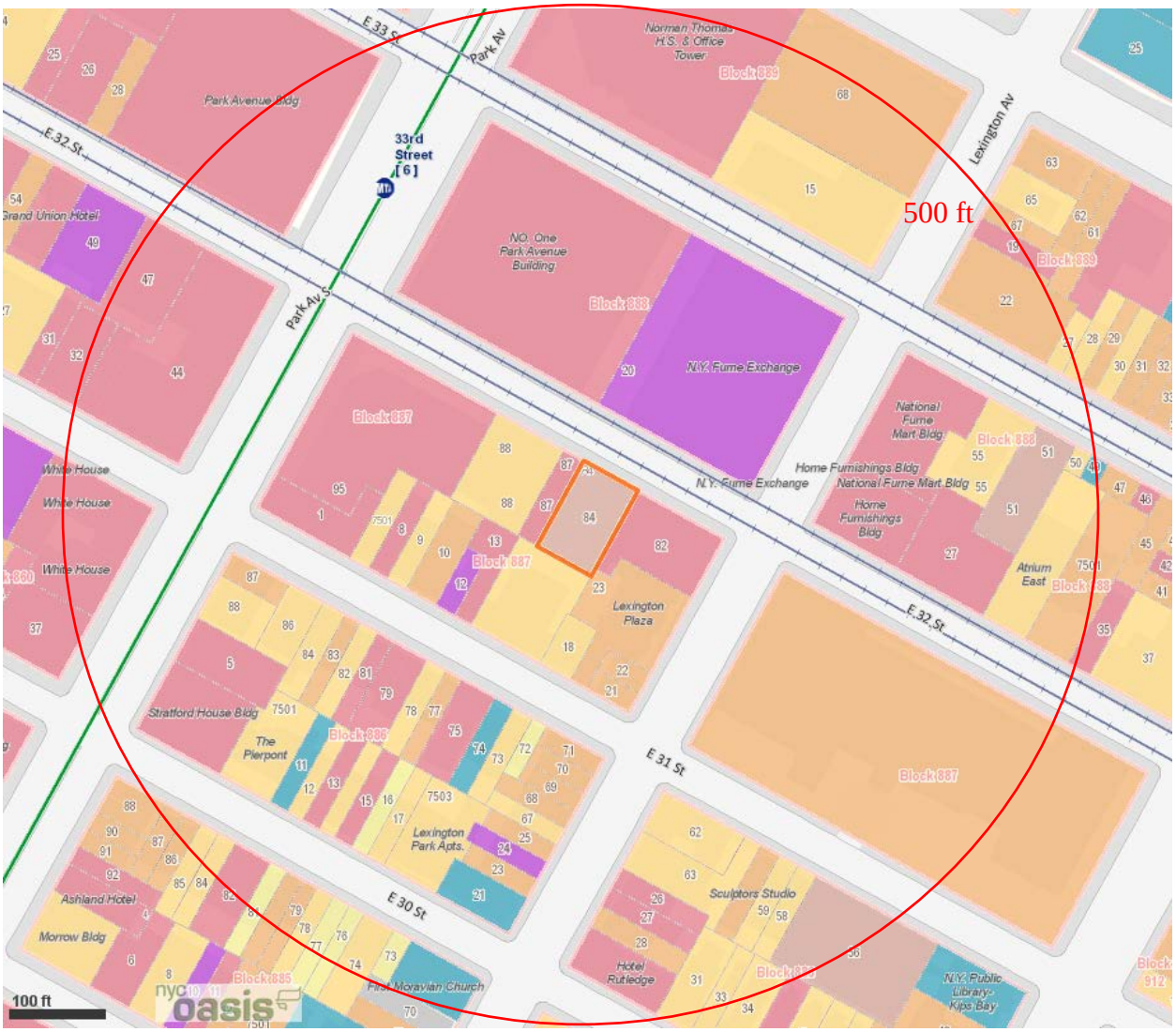


Figure 5 Map of Area of Concern



200' 100' 0 200' 400'

- Parks & Public Lands
- Forested Areas (NJ)
- Community Gardens
- School property with garden
- Playgrounds
- Green Spaces Along Streets
- Golf Courses
- Baseball/Soccer/Football Fields
- Tennis/Basketball/Handball Courts & Tracks
- Cemeteries
- 1 & 2 Family Residential
- Multi-family Residential
- Mixed Use
- Open space & outdoor recreation
- Commercial
- Institutions
- Industrial
- Parking
- Transportation / Utilities
- Vacant Lots

Table 1 Soil Borings

	ID Number	Date of construction	Total Depth	Diameter	Ground surface elevation	Screened interval (Elevation Range)	GPS Coordinates
2013 Soil Boring	SB	2/12/2013	30 feet	2 inches	33 feet	0-30 feet	Latitude 40°44'42.62"
							Longitude -73°58'52.90"
2013 Groundwater Boring	GW	2/12/2013	33 feet	2 inches	33 feet	30 feet	Latitude 40°44'42.27"
							Longitude -73°58'53.10"
2013 Soil Gas Boring	SG-1	2/12/2013	29 feet	2 inches	33 feet	At 29 feet	Latitude 40°44'42.89"
							Longitude -73°58'52.28"
2013 Soil Gas Boring	SG-2	2/12/2013	29 feet	2 inches	33 feet	At 29 feet	Latitude 40°44'42.70"
							Longitude -73°58'52.92"
2013 Soil Gas Boring	SG-3	2/12/2013	29 feet	2 inches	33 feet	At 29 feet	Latitude 40°44'42.27"
							Longitude -73°58'52.93"
2008 Soil Boring	SB-1/GW	12/2/2008	20 feet	2 inches	33 feet	0-20 feet	Latitude 40°44'42.92"
							Longitude -73°58'52.57"
2008 Soil Boring	SB-2	12/2/2008	20 feet	2 inches	33 feet	0-20 feet	Latitude 40°44'42.40"
							Longitude -73°58'53.03"
2010 Soil Boring	SB-1	3/24/2010	32 feet	2 inches	33 feet	0-32 feet	Latitude 40°44'43.01"
							Longitude -73°58'52.69"
2010 Soil Boring	SB-2	3/24/2010	31 feet	2 inches	33 feet	0-31 feet	Latitude 40°44'42.59"
							Longitude -73°58'52.60"
2010 Soil Boring	SB-3	3/24/2010	32 feet	2 inches	33 feet	0-32 feet	Latitude 40°44'42.40"
							Longitude -73°58'5.17"

Table 2 Analytical Methods

Matrix	Number of Samples	Analytical parameters measured	Analytical methods	Number and type of QA/QC samples
2013 Soil	2	VOC SVOC PCB Pesticides TAL Metals	EPA 8260 EPA 8270 EPA 8082 EPA 8081 EPA 6010	1 trip blank
2013 Groundwater	1	VOC SVOC PCB Pesticides TAL Metals	EPA 8260 EPA 8270 EPA 8082 EPA 8081 EPA 6010	
2013 Soil vapor	3	VOC	EPA TO-15	

Note: 3 soil gas samples were collected from 29 feet below the grade.

Table 3 Summary of Major Components

Chemical	Decision Matrices	Analysis Concentration, mcg/M^3		
		SG-1	SG-2	SG-3
Carbon tetrachloride	Metrix 1	0.38	0.38	0.38
Tetrachloroethene (PCE)	Metrix 2	3.32	8.82	11.5
1,1,1-Trichloroethane (1,1,1-TCA)	Metrix 1	0.16	0.16	0.16
Trichloroethene (TCE)	Metrix 2	0.27	0.16	0.16

Table 4 Soil Analysis Results

122 East 32nd Street, New York, New York

Contaminant	CAS No.	SCO Standards, ppm			2008 Results, ppm				2010 Results, ppm						2013 Results, ppm	
		Unrestricted Use	Restricted Residential	Restricted Commercial	SB-1 0-5'	SB-1 5-10'	SB-2 0-5'	SB-2 15-20'	SB-1 25-27'	SB-1 30-32'	SB-2 23.5-25.5'	SB-2 29-31'	SB-3 25-27'	SB-3 30-32'	SB 0-2'	SB 28-30'
Volatile Organic Compounds																
1,1,1-Trichloroethane [f]	71-55-6	0.68	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
1,1-Dichloroethane [f]	75-34-3	0.27	26	240	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
1,1-Dichloroethene[f]	75-35-4	0.33	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
1,2-Dichlorobenzene[f]	95-50-1	1.1	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
1,2-Dichloroethane	107-06-2	0.02[c]	3.1	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
cis -1,2-Dichloroethene [f]	156-59-2	0.25	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
trans-1,2-Dichloroethene [f]	156-60-5	0.19	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
1,3-Dichlorobenzene[f]	541-73-1	2.4	49	280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
1,4-Dichlorobenzene	106-46-7	1.8	13	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
1,4-Dioxane	123-91-1	0.1 [b]	13	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Acetone	67-64-1	0.05	100[b]	500[b]	ND	ND	0.051	0.066	ND	ND	ND	ND	ND	ND	0.015	0.016
Benzene	71-43-2	0.06	4.8	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
n-Butylbenzene [f]	104-51-8	12	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Carbon tetrachloride [f]	56-23-5	0.76	2.4	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Chlorobenzene	108-90-7	1.1	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Chloroform	67-66-3	0.37	49	350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Ethylbenzene[f]	100-41-4	1	41	390	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Hexachlorobenzene [f]	118-74-1	0.33[b]	1.2	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Methyl ethyl ketone	78-93-3	0.12	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015	0.016
Methyl tert-butyl ether [f]	1634-04-4	0.93	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Methylene chloride	75-09-2	0.05	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
n - Propylbenzene [f]	103-65-1	3.9	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
sec-Butylbenzene [f]	135-98-8	11	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
tert-Butylbenzene[f]	98-06-6	5.9	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Tetrachloroethene	127-18-4	1.3	19	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Toluene	108-88-3	0.7	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Trichloroethene	79-01-6	0.47	21	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
1,2,4-Trimethylbenzene [f]	95-63-6	3.6	52	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
1,3,5-Trimethylbenzene[f]	108-67-8	8.4	52	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Vinyl chloride[f]	75-01-4	0.02	0.9	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003
Xylene (mixed)	1330-20-7	0.26	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.003

Table 4 Soil Analysis Results - continued

Contaminant	CAS No.	SCO Standards, ppm			2008 Results, ppm				2010 Results, ppm						2013 Results, ppm	
		Unrestricted Use	Restricted Residential	Restricted Commercial	SB-1 0-5'	SB-1 5-10'	SB-2 0-5'	SB-2 15-20'	SB-1 25-27'	SB-1 30-32'	SB-2 23.5-25.5'	SB-2 29-31'	SB-3 25-27'	SB-3 30-32'	SB 0-2'	SB 28-30'
Semivolatile Organic Compounds																
Acenaphthene	83-32-9	20	100[a]	500[b]	0.54	1.90	ND	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Acenapthylene [f]	208-96-8	100 [a]	100[a]	500[b]	0.71	1.60	0.39	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Anthracene [f]	120-12-7	100 [a]	100[a]	500[b]	1.10	3.40	ND	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Benzo(a)anthracene [f]	56-55-3	1[c]	1[f]	5.6	**6.00**	**13.00**	1.70	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Benzo(a)pyrene	50-32-8	1[c]	1[f]	1[f]	**5.90**	**12.00**	1.80	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Benzo(b)fluoranthene[f]	205-99-2	1[c]	1[f]	5.6	**5.40**	**11.00**	1.70	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Benzo(g,h,i)perylene [f]	191-24-2	100	100[a]	500[b]	3.80	8.40	1.10	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Benzo(k)fluoranthene[f]	207-08-9	0.8 [c]	3.9	56	**5.20**	**12.00**	1.80	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Chrysene [f]	218-01-9	1[c]	3.9	56	**6.70**	**17.00**	1.70	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Dibenzo(a,h)anthracene[f]	53-70-3	0.33 [b]	0.33[e]	0.56	**0.76**	**1.60**	0.23	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Fluoranthene [f]	206-44-0	100 [a]	100[a]	500[b]	13.00	34.00	3.50	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Fluorene	86-73-7	30	100[a]	500[b]	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Indeno(1,2,3-cd)pyrene [f]	193-39-5	0.5 [c]	0.5[f]	5.6	**1.90**	**4.00**	0.64	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
m-Cresol [f]	108-39-4	0.33 [b]	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Naphthalene [f]	91-20-3	12	100[a]	500[b]	0.25	1.30	ND	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
o-Cresol [f]	95-48-7	0.33 [b]	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
p-Cresol [f]	106-44-5	0.33 [b]	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Pentachlorophenol	87-86-5	0.8[b]	6.7	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Phenanthrene [f]	85-01-8	100	100[a]	500[b]	8.50	31.00	0.47	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Phenol	108-95-2	0.33[b]	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	0.21
Pyrene[f]	129-00-0	100	100[a]	500[b]	13.00	35.00	3.20	ND	ND	ND	ND	ND	ND	ND	0.20	0.21

Table 4 Soil Analysis Results - continued

Contaminant	CAS No.	SCO Standards, ppm			2008 Results, ppm				2010 Results, ppm						2013 Results, ppm	
		Unrestricted Use	Restricted Residential	Restricted Commercial	SB-1 0-5'	SB-1 5-10'	SB-2 0-5'	SB-2 15-20'	SB-1 25-27'	SB-1 30-32'	SB-2 23.5-25.5'	SB-2 29-31'	SB-3 25-27'	SB-3 30-32'	SB 0-2'	SB 28-30'
Pesticides/PCBs																
2,4,5-TP Acid (Silvex)[f]	93-72-1	3.8	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
4,4'-DDE	72-55-9	0.0033 [b]	8.9	62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
4,4'-DDT	50-29-3	0.0033 [b]	7.9	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
4,4'-DDD	72-54-8	0.0033 [b]	13	92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
Aldrin	309-00-2	0.005 [c]	0.097	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
alpha-BHC	319-84-6	0.02	0.48	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
beta-BHC	319-85-7	0.036	0.36	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
Chlordane (alpha)	5103-71-9	0.094	4.2	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
delta-BHC [g]	319-86-8	0.04	100[a]	500[b]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
Dibenzofuran [f]	132-64-9	7	59	350	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Dieldrin	60-57-1	0.005[c]	0.2	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
Endosulfan I[d, f]	959-98-8	2.4	24[i]	200[i]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
Endosulfan II[d, f]	33213-65-9	2.4	24[i]	200[i]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
Endosulfan sulfate[d, f]	1031-07-8	2.4	24[i]	200[i]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
Endrin	72-20-8	0.014	11	89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
Heptachlor	76-44-8	0.042	2.1	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
Lindane	58-89-9	0.1	1.3	9.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001
Polychlorinated biphenyls	1336-36-3	0.1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011	0.011

Table 4 Soil Analysis Results - continued

Contaminant	CAS No.	SCO Standards, ppm			2008 Results, ppm				2010 Results, ppm						2013 Results, ppm	
		Unrestricted Use	Restricted Residential	Restricted Commercial	SB-1 0-5'	SB-1 5-10'	SB-2 0-5'	SB-2 15-20'	SB-1 25-27'	SB-1 30-32'	SB-2 23.5-25.5'	SB-2 29-31'	SB-3 25-27'	SB-3 30-32'	SB 0-2'	SB 28-30'
TAL Metals																
Arsenic	7440-38-2	13 [c]	16[f]	16[f]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.11	0.46
Barium	7440-39-3	350 [c]	400	400	**870.00**	ND	69.70	82.50	62.80	234.00	162.00	178.00	175.00	199.00	43.70	10.50
Beryllium	7440-41-7	7.2	72	590	0.44	**795.00**	0.85	0.88	ND	0.72	0.59	0.57	1.33	0.83	0.21	0.30
Cadmium	7440-43-9	2.5 [c]	4.3	9.3	0.68	1.14	0.92	0.98	ND	ND	ND	ND	ND	ND	0.17	0.17
Chromium, hexavalent [e]	18540-29-9	1[b]	110	400	13.30	15.60	14.52	18.80	16.50	41.80	35.30	32.90	34.10	38.90	16.10	13.40
Chromium, trivalent [e]	16065-83-1	30 [c]	180	1,500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Copper	7440-50-8	50	270	270	13.20	ND	17.10	20.60	70.00	89.90	81.00	61.10	21.10	39.10	4.97	70.50
Total Cyanide [e, f]		27	27	27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lead	7439-92-1	63 [c]	400	1,000	**7,530.0**	**5,400.0**	105.00	26.90	5.36	13.90	23.60	15.00	31.30	20.20	12.90	8.60
Manganese	7439-96-5	1600 [c]	2,000[f]	10,000 [d]	281.00	362.00	395.00	257.00	126.00	1,070.00	246.00	1,690.00	432.00	919.00	491.00	146.00
Total Mercury		0.18 [c]	0.81[j]	2.8[j]	0.43	**1.34**	0.23	ND	ND	ND	ND	ND	ND	ND	0.03	0.01
Nickel	7440-02-0	30	310	310	10.40	20.20	12.40	14.50	16.40	49.60	45.80	46.30	79.50	58.10	15.20	49.10
Selenium	7782-49-2	3.9[c]	180	1,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55	3.16
Silver	7440-22-4	2	180	1,500	ND	ND	ND	ND	ND	0.62	ND	0.77	0.60	0.58	0.27	4.10
Zinc	7440-66-6	109 [c]	10,000 [d]	10,000 [d]	295.00	555.00	64.20	35.60	33.90	104.00	136.00	107.00	134.00	106.00	30.10	76.20

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Footnotes

[a] The SCOs for unrestricted use were capped at a maximum value of 100 ppm. See Technical Support Document (TSD), section 9.3.

[b] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

[c] For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the Department and DOH rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

[d] SCO is the sum of endosulfan I, endosulfan II and endosulfan sulfate.

[e] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[f] Protection of ecological resources SCOs were not developed for contaminants identified in Table 375-6.8(b) with "NS". Where such such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.

Bold face indictes that the analysis result exceeds the Restricted Residential Use SCO standards.

Red bold face indictes that the analysis result exceeds the Restricted Commercial Use SCO standards.

ND = Not Detected

Table 5 Groundwater Analysis Results

Groundwater VOC (ppb)				
Chemical Name	CAS No.	Regulory Limit	2008 Results	2013 Results
Dichlorodifluoromethane	75-71-8	5	ND	0.5
Chloromethane	74-87-3	Not Applicable	ND	0.5
Vinyl Chloride	75-01-4	2	ND	0.5
Bromomethane	74-83-9	5	ND	0.5
Chloroethane	75-00-3	5	ND	0.5
Trichlorofluoromethane	75-69-4	5	ND	0.5
1,1,2-Trichlorotrifluoroethane	76-13-1	5	ND	0.5
1,1-Dichloroethene	75-35-4	5	ND	0.5
Acetone	67-64-1	Not Applicable	ND	2.5
Carbon Disulfide	75-15-0	60	ND	0.5
Methyl tert-butyl Ether	1634-04-	Not Applicable	ND	0.5
Methyl Acetate	79-20-9	Not Applicable	ND	0.5
Methylene Chloride	75-09-2	5	ND	0.5
trans-1,2-Dichloroethene	156-60-5	5	ND	0.5
Dichloroethane	75-34-3	5	ND	0.5
Cyclohexane	110-82-7	Not Applicable	ND	0.5
2-Butanone	78-93-3	Not Applicable	ND	2.5
Carbon Tetrachloride	56-23-5	5	ND	0.5
cis-1,2-Dichloroethene	156-59-2	5	ND	0.5
Bromochloromethane	74-97-5	5	ND	0.5
Chloroform	67-66-3	7	ND	0.5
1,1,1-Trichloroethane	71-55-6	5	ND	0.5
Methylcyclohexane	108-87-2	Not Applicable	ND	0.5
Benzene	71-43-2	1	ND	0.5
1,2-Dichloroethane	107-06-2	0.6	ND	0.5
Trichloroethene	79-01-6	5	ND	0.5
1,2-Dichloropropane	78-87-5	1	ND	0.5
Bromodichloromethane	75-27-4	Not Applicable	ND	0.5
4-Methyl-2-Pentanone	108-10-1	Not Applicable	ND	0.5
Toluene	108-88-3	5	ND	0.5
t-1,3-Dichloropropene	10061-02-6	Not Applicable	ND	0.5
cis-1,3-Dichloropropene	10061-01-5	Not Applicable	ND	0.5
1,1,2-Trichloroethane	79-00-5	1	ND	0.5
2-Hexanone	591-78-6	Not Applicable	ND	2.5
Dibromochloromethane	124-48-1	Not Applicable	ND	0.5
1,2-Dibromoethane	106-93-4	Not Applicable	ND	0.5
Tetrachloroethene	127-18-4	5	ND	0.5
Chlorobenzene	108-90-7	5	ND	0.5
Ethyl Benzene	100-41-4	5	ND	0.5
m/p-Xylenes	179601-23-1	Not Applicable	ND	1
o-Xylene	95-47-6	5	ND	0.5
Styrene	100-42-5	5	ND	0.5
Bromoform	75-25-2	Not Applicable	ND	0.5
Isopropylbenzene	98-82-8	5	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	5	ND	0.5
1,3-Dichlorobenzene	541-73-1	3	ND	0.5
1,4-Dichlorobenzene	106-46-7	3	ND	0.5
1,2-Dichlorobenzene	95-50-1	3	ND	0.5
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	5	ND	0.5
1,2,3-Trichlorobenzene	87-61-6	5	ND	0.5
1,4-Dioxane	123-91-1	Not Applicable	ND	10

Table 5 Groundwater Analysis Results - continued

Groundwater SVOC (ppb)				
Chemical Name	CAS No.	Regulory Limit	2008 Results	2013 Results
Benzaldehyde	100-52-7	Not Applicable	ND	5.2
Phenol	108-95-2	1	ND	5.2
bis(2-Chloroethyl)ether	111-44-4	1	ND	5.2
2-Chlorophenol	95-57-8	Not Applicable	ND	5.2
2-Methylphenol	95-48-7	Not Applicable	ND	5.2
2,2-oxybis(1-Chloropropane)	108-60-1	Not Applicable	ND	5.2
Acetophenone	98-86-2	Not Applicable	ND	5.2
3+4-Methylphenols	65794-96-9	Not Applicable	ND	5.2
n-Nitroso-di-n-propylamine	621-64-7	Not Applicable	ND	5.2
Hexachloroethane	67-72-1	5	ND	5.2
Nitrobenzene	98-95-3	Not Applicable	ND	5.2
Isophorone	78-59-1	Not Applicable	ND	5.2
2-Nitrophenol	88-75-5	Not Applicable	ND	5.2
2,4-Dimethylphenol	105-67-9	1	ND	5.2
bis(2-Chloroethoxy)methane	111-91-1	Not Applicable	ND	5.2
2,4-Dichlorophenol	120-83-2	1	ND	5.2
Naphthalene	91-20-3	Not Applicable	ND	5.2
4-Chloroaniline	106-47-8	5	ND	5.2
Hexachlorobutadiene	87-68-3	0.5	ND	5.2
Caprolactam	105-60-2	Not Applicable	ND	5.2
4-Chloro-3-methylphenol	59-50-7	Not Applicable	ND	5.2
2-Methylnaphthalene	91-57-6	Not Applicable	ND	5.2
Hexachlorocyclopentadiene	77-47-4	5	ND	5.2
2,4,6-Trichlorophenol	88-06-2	Not Applicable	ND	5.2
2,4,5-Trichlorophenol	95-95-4	Not Applicable	ND	5.2
1,1-Biphenyl	92-52-4	5	ND	5.2
2-Chloronaphthalene	91-58-7	Not Applicable	ND	5.2
2-Nitroaniline	88-74-4	5	ND	5.2
Dimethylphthalate	131-11-3	Not Applicable	ND	5.2
Acenaphthylene	208-96-8	Not Applicable	ND	5.2
2,6-Dinitrotoluene	606-20-2	5	ND	5.2
3-Nitroaniline	99-09-2	5	ND	5.2
Acenaphthene	83-32-9	Not Applicable	ND	5.2
2,4-Dinitrophenol	51-28-5	1	ND	5.2
4-Nitrophenol	100-02-7	Not Applicable	ND	5.2
Dibenzofuran	132-64-9	Not Applicable	ND	5.2
2,4-Dinitrotoluene	121-14-2	5	ND	5.2
Diethylphthalate	84-66-2	Not Applicable	ND	5.2
4-Chlorophenyl-phenylether	7005-72-3	Not Applicable	ND	5.2
Fluorene	86-73-7	Not Applicable	ND	5.2
4-Nitroaniline	100-01-6	5	ND	5.2
4,6-Dinitro-2-methylphenol	534-52-1	Not Applicable	ND	5.2
n-Nitrosodiphenylamine	86-30-6	Not Applicable	ND	5.2
4-Bromophenyl-phenylether	101-55-3	Not Applicable	ND	5.2
Hexachlorobenzene	118-74-1	Not Applicable	ND	5.2
Atrazine	1912-24-9	7.5	ND	5.2
Pentachlorophenol	87-86-5	1	ND	5.2
Phenanthrene	85-01-8	Not Applicable	ND	5.2
Anthracene	120-12-7	Not Applicable	ND	5.2
Carbazole	86-74-8	Not Applicable	ND	5.2
Di-n-butylphthalate	84-74-2	50	ND	5.2
Fluoranthene	206-44-0	Not Applicable	ND	5.2
Pyrene	129-00-0	Not Applicable	ND	5.2
Butylbenzylphthalate	85-68-7	Not Applicable	ND	5.2
3,3-Dichlorobenzidine	91-94-1	5	ND	5.2
Benzo(a)anthracene	56-55-3	Not Applicable	ND	5.2
Chrysene	218-01-9	Not Applicable	ND	5.2
Bis(2-ethylhexyl)phthalate	117-81-7	5	ND	5.2
Di-n-octyl phthalate	117-84-0	Not Applicable	ND	5.2
Benzo(b)fluoranthene	205-99-2	Not Applicable	ND	5.2
Benzo(k)fluoranthene	207-08-9	Not Applicable	ND	5.2
Benzo(a)pyrene	50-32-8	Not Applicable	ND	5.2
Benzo(g,h,i)perylene	191-24-2	Not Applicable	ND	5.2
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ND	5.2
2,3,4,6-Tetrachlorophenol	58-90-2	Not Applicable	ND	5.2

Table 5 Groundwater Analysis Results - continued

Groundwater Pesticide and PCB (ppb)				
Chemical Name	CAS No.	Regulory Limit	2008 Results	2013 Results
alpha-BHC	319-84-6	Not Applicable	ND	0.026
beta-BHC	319-85-7	Not Applicable	ND	0.026
delta-BHC	319-86-8	Not Applicable	ND	0.026
gamma-BHC	58-89-9	Not Applicable	ND	0.026
Heptachlor	76-44-8	0.04	ND	0.026
Aldrin	309-00-2	Not Applicable	ND	0.026
Heptachlor epoxide	1024-57-3	0.03	ND	0.026
Endosulfan I	959-98-8	Not Applicable	ND	0.026
Dieldrin	60-57-1	0.004	ND	0.026
4,4-DDE	72-55-9	0.2	ND	0.026
Endrin	72-20-8	Not Applicable	ND	0.026
Endosulfan II	33213-65-9	Not Applicable	ND	0.026
4,4-DDD	72-54-8	0.3	ND	0.026
Endosulfan Sulfate	1031-07-8	Not Applicable	ND	0.026
4,4-DDT	50-29-3	0.2	ND	0.026
Methoxychlor	72-43-5	35	ND	0.026
Endrin ketone	53494-70-5	5	ND	0.026
Endrin aldehyde	7421-93-4	5	ND	0.026
alpha-Chlordane	5103-71-9	Not Applicable	ND	0.026
gamma-Chlordane	5103-74-2	Not Applicable	ND	0.026
Toxaphene	8001-35-2	0.06	ND	0.255
Polychlorinated biphenyls	1336-36-3	0.09	ND	0.255

Table 5 Groundwater Analysis Results - continued

Groundwater TAL Metals (ppb)					
Chemical Name	CAS No.	Regulory	2008 Results	2013 Results	
		Limit	Filtered	Unfiltered	Filtered
Aluminium	7429-90-5	Not Applicable	206,000.0	3,530.0	25.0
Antimony	7440-36-0	3	ND	**12.5**	**12.5**
Arsenic	7440-38-2	25	ND	5.0	5.0
Barium	7440-39-3	1,000	**3,540.0**	288.0	50.0
Beryllium	7440-41-7	Not Applicable	34.0	1.5	1.5
Cadmium	7440-43-9	5	**41.9**	1.5	1.5
Calcium	7440-70-2	Not Applicable	254,000.0	41,100.0	33,200.0
Chromium	7440-47-3	50	**712.0**	9.4	2.5
Cobalt	7440-48-4	Not Applicable	704.0	33.3	9.2
Copper	7440-50-8	200	**3,690.0**	44.1	12.7
Iron	7439-89-6	300*	**650,000.0**	**10,500.0**	25.0
Lead	7439-92-1	25	**5,640.0**	22.0	3.0
Magnesium	7439-95-4	Not Applicable	152,000.0	17,200.0	14,300.0
Manganese	7439-96-5	300*	**10,300.0**	**6,490.0**	**1,170.0**
Mercury	7439-97-6	0.7	**1.7**	0.1	0.1
Nickel	7440-02-0	100	**869.0**	26.1	11.0
Potassium	7440-09-7	Not Applicable	98,600.0	6,340.0	4,880.0
Selenium	7782-49-2	10	ND	5.0	5.0
Silver	7440-22-4	50	ND	2.5	2.5
Sodium	7440-23-5	20,000	**89,600.0**	**20,900.0**	**20,600.0**
Thallium	7440-28-0	Not Applicable	ND	10.0	2.5
Vanadium	7440-62-2	Not Applicable	1,050.0	6.6	10.0
Zinc	7440-66-6	Not Applicable	1,740.0	154.0	25.2

Notes:

ppb= parts per billion= micrograms per liter (ug/l)

ND= Not Detected

VOC in the 8260 scan with non-detectable concentrations for all samples are not listed.

SVOC in the 8270 scan with non-detectable concentrations for all samples are not listed.

Pesticides and PCBs in the 608 scan with non-detectable concentrations for all samples are not listed.

Regulatory Limit= Concentrations were compared to NYSDEC TOGS 1.1.1 class GA groundwater quality standards.

* The regulatory limit for the sum of Iron and Manganese is 500 ppb.

Concentrations exceeding the regulatory standard are identified with boldface type.

Table 6 Soil Vapor Analysis Results

122 East 32nd Street, New York, New York

CAS Number	Chemical Name	Soi Vapor Analysis Concentrations, ug/m3		
		2/12/2013	2/12/2013	2/12/2013
		SG-1	SG-2	SG-3
75-71-8	Dichlorodifluoromethane	1.83	1.88	1.88
75-65-0	tert-Butyl alcohol	0.3	0.3	1.18
74-87-3	Chloromethane	0.76	0.83	0.68
80-62-6	Methyl Methacrylate	0.41	0.41	0.41
75-01-4	Vinyl Chloride	0.08	0.08	0.08
74-83-9	Bromomethane	0.19	0.19	0.19
75-00-3	Chloroethane	0.26	0.26	0.26
75-69-4	Trichlorofluoromethane	1.18	1.12	1.12
76-14-2	Dichlorotetrafluoroethane	0.35	0.35	0.35
76-13-1	1,1,2-Trichlorotrifluoroethane	0.38	0.38	0.38
593-60-2	Bromoethene	0.22	0.22	0.22
142-82-5	Heptane	4.1	6.97	19.3
75-35-4	1,1-Dichloroethene	0.2	0.2	0.2
67-64-1	Acetone	19.5	24.9	0.24
75-15-0	Carbon Disulfide	0.16	0.69	0.16
1634-04-4	Methyl tert-Butyl Ether	0.18	0.18	0.18
75-09-2	Methylene Chloride	2.92	0.17	0.17
107-05-1	Allyl Chloride	0.16	0.16	0.16
156-60-5	trans-1,2-Dichloroethene	0.4	0.4	0.4
75-34-3	1,1-Dichloroethane	0.2	0.2	0.2
110-82-7	Cyclohexane	0.76	1.14	9.64
78-93-3	2-Butanone	2.01	4.31	2.65
56-23-5	Carbon Tetrachloride	0.38	0.38	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	0.4	0.4
67-66-3	Chloroform	0.24	0.24	0.24
123-91-1	1,4-Dioxane	0.36	0.36	0.36
71-55-6	1,1,1-Trichloroethane	0.16	0.16	0.16
109-99-9	Tetrahydrofuran	3.54	0.29	0.29
540-84-1	2,2,4-Trimethylpentane	0.93	2.29	29.9
71-43-2	Benzene	12.8	14.7	31
107-06-2	1,2-Dichloroethane	0.4	0.4	0.4
79-01-6	Trichloroethene	0.27	0.16	0.16
78-87-5	1,2-Dichloropropane	0.46	0.46	0.46
75-27-4	Bromodichloromethane	0.33	0.33	0.33
108-10-1	4-Methyl-2-Pentanone	0.2	0.2	0.2
108-88-3	Toluene	53.1	49.4	60.3
10061-02-6	t-1,3-Dichloropropene	0.45	0.45	0.45
10061-01-5	cis-1,3-Dichloropropene	0.45	0.45	0.45
79-00-5	1,1,2-Trichloroethane	0.55	0.55	0.55
124-48-1	Dibromochloromethane	0.43	0.43	0.43
106-93-4	1,2-Dibromoethane	0.77	0.77	0.77
127-18-4	Tetrachloroethene	3.32	8.82	11.5
108-90-7	Chlorobenzene	0.46	0.46	0.46
100-41-4	Ethyl Benzene	5.65	6.52	14.3
179601-23-1	m/p-Xylene	19.1	26.1	48.6
95-47-6	o-Xylene	3.65	8.69	17.8
100-42-5	Styrene	0.43	0.43	2.98
75-25-2	Bromoform	0.52	0.52	0.52
79-34-5	1,1,2,2-Tetrachloroethane	0.69	0.69	0.69
95-49-8	2-Chlorotoluene	0.52	0.52	0.52
108-67-8	1,3,5-Trimethylbenzene	0.54	6.88	6.39
95-63-6	1,2,4-Trimethylbenzene	2.31	26.6	22.1
622-96-8	4-Ethyltoluene	1.23	6.39	7.37
541-73-1	1,3-Dichlorobenzene	0.6	0.6	0.6
106-46-7	1,4-Dichlorobenzene	0.6	0.6	0.6
95-50-1	1,2-Dichlorobenzene	0.6	0.6	0.6
120-82-1	1,2,4-Trichlorobenzene	0.37	0.37	0.37
87-68-3	Hexachloro-1,3-Butadiene	1.07	1.07	1.07
106-99-0	1,3-Butadiene	0.22	0.22	0.22
110-54-3	Hexane	8.81	16.2	37
Total	VOC	163.46	230.04	340.97

Site-Specific Standards, Criteria and Guidance

- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- STARS #1 - Petroleum-Contaminated Soil Guidance Policy
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (October 1994)
- Technical Guidance for Screening Contaminated Sediments (January 1999)
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)
- DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State
- 6 NYCRR Part 612 - Registration of Petroleum Storage Facilities (February 1992)
- 6 NYCRR Part 613 - Handling and Storage of Petroleum (February 1992)
- 6 NYCRR Part 614 - Standards for New and Substantially Modified Petroleum Storage Tanks (February 1992)
- 40 CFR Part 280 - Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks

Appendix 1 Soil Boring Geologic Logs

LOG OF BORING

SB- 1 / GW -1

Client: 126 E32 ST LLC	Date/Start Time: 9:40am 12/2/08	Drilling company: ADT
Project Name: 122 East 32 ST	Date/Time Completed: 10:30 12/2/08	Rig Type: 6610 DT
Project location: Manhattan	Elevation & Datum: Street	Drill Method: Push/Splitspoon
Project Location:	Completion Depth: 20'	Sample Device:
Project number: 02507	Depth to Water: ~30'	Logged By: AJ

Boring Location: front of Site closer to 32nd ST

Sample No.	Sample Interval	Interval Description	Recovery (Inches)	PID (ppm)	Chem. Anakysis	Strata change	Depth (ft.b.g)
1	0-5'	Brown m-f Sand w fill material	18"	0.0	SAMPLE VOC, SVOC, PCB, PEST TAL METAL		
2	5-10'	Brown m Sand trace Clay	18"	3.0	SAMPLE VOC, SVOC, PCB, PEST., TAL METAL		
	10-15'	Brown Sandy Clay	36"	0.8			
	15-20'	Gray Clay	54"	0.2			
		GROUNDWATER ENCOUNTERED AT 30' SAMPLE TAKEN FOR • VOC, SVOC, PCB, PESTICIDE, TAL METAL					

Additional Comments:

LOG OF BORING
SB-2

Client: 126 East 32 ST LLC	Date/Start Time: 12-2-08 11am	Drilling company: ADT
Project Name: 122 E 32 ST	Date/Time Completed: 12-2-08 11:40	Rig Type: 6610 DT
Project location: Manhattan	Elevation & Datum:	Drill Method: push
Project Location:	Completion Depth: 20 feet	Sample Device: split spoon
Project number: 02507	Depth to Water: unknow	Logged By: AJ
Boring Location: Rear of property		

Sample No.	Sample Interval	Interval Description	Recovery (Inches)	PID (ppm)	Chem. Anakysis	Strata change	Depth (ft.b.g)
1	0-5'	brown m-f Sand with fill material	18"	0.2	SAMPLE VOC, SVOC, PCB, PEST., TAL METAL		
	5-10'	reddish brown m-f Sand w/ trace silt	42"	0.0			
	10-15'	Brown Sandy Clay	52"	0.2			
	15-20'	Brown Sandy Clay then gray clay (moist)	60"	0.2	SAMPLE VOC, SVOC, PCB PEST., TAL METAL		

Additional Comments:
multiple attempts to reach groundwater were attempted but refusals were encountered.
NO Groundwater Sampled in SB-2.

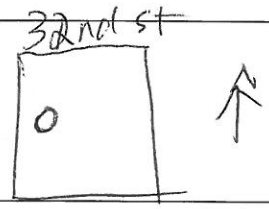
LOG OF BORING

SB -

Client: Samoo Architects	**Date/Start Time:** 9:12 2/12/13	**Drilling company:** Zebra
Project Name: Samoo Architects	**Date/Time Completed:** 9:45 2/12/13	**Rig Type:** 6610 DT
Project location: 122 E 32nd Street	**Elevation & Datum:** 33'	**Drill Method:** Direct Push
Project Location:	**Completion Depth:** 30'	**Sample Device:** Split spoon
Project number:	**Depth to Water:**	**Logged By:** Chunyuan Li
Boring Location: West		

Sample No.	Sample Interval	Description of Sample	Recovery (Inches)	PID (ppm)	Chem. Anakysis	Strata change	Depth (ft.b.g)
SB 0-2'	0-5	Brown sand f-m	19"	0.0	sample VOC, SVOC, PCB Pest & TAL Metal		5
	5-10	Brown sand f-m w/silt	45"	0.0			10
	10-15	Brown sandy clay	55"	0.0			15
	15-20	Dark clay / gray clay	60"	0.0			25
	20-25	Gray clay	60"	0.0			25
	25-30	Gray clay with loose rock Groundwater encountered @ 30'	60"	0.0	sample VOC, SVOC PCB Pest & TAL Metal		30

Additional Comments:



LOG OF BORING

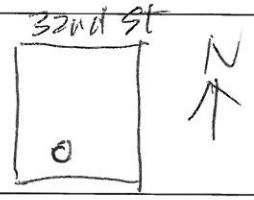
GW-

Client: Samoo Architects	**Date/Start Time:** 12:15 2/12/13	**Drilling company: Zebra**
Project Name: Samoo Architects	**Date/Time Completed:** 12:45 2/12/13	**Rig Type:** 6610 DT
Project location: 122 E 32nd Street	**Elevation & Datum: 33'**	**Drill Method: Direct Push**
Project Location:	**Completion Depth:** 33'	**Sample Device:** Pump
Project number:	**Depth to Water:** 30'	**Logged By: Chunyuan Li**

Boring Location: Southwest

Sample No.	Sample Interval	Description of Sample	Recovery (Inches)	PID (ppm)	Chem. Anakysis	Strata change	Depth (ft.b.g)
		1.1" well installed			Sample		33'
					VOC, SVOC, PCB		
					Pest & TAL Meta		

Additional Comments:



LOG OF BORING

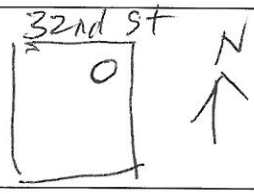
SG - 1

Client: Samoo Architects	**Date/Start Time:** 11:05 2/12/13	**Drilling company: Zebra**
Project Name: Samoo Architects	**Date/Time Completed:** 11:25 2/12/13	**Rig Type:** 6610 DT
Project location: 122 E 32nd Street	**Elevation & Datum: 33'**	**Drill Method: Direct Push**
Project Location:	**Completion Depth:** 29'	**Sample Device:** SUMMA Canister
Project number:	**Depth to Water:**	**Logged By: Chunyuan Li**

Boring Location: Northeast

Sample No.	Sample Interval	Description of Sample	Recovery (Inches)	PID (ppm)	Chem. Anakysis	Strata change	Depth (ft.b.g)
		Purging 12:05 - 12:30		0.0			29'

Additional Comments:



LOG OF BORING

SG - 2

Client: Samoo Architects	**Date/Start Time:** 10:45 2/12/13	**Drilling company:** Zebra
Project Name: Samoo Architects	**Date/Time Completed:** 11:00 2/12/13	**Rig Type:** 6610 DT
Project location: 122 E 32nd Street	**Elevation & Datum:** 33'	**Drill Method:** Direct Push
Project Location:	**Completion Depth:** 29'	**Sample Device:** SUMMA Canister
Project number:	**Depth to Water:**	**Logged By:** Chunyuan Li
Boring Location: West		

Sample No.	Sample Interval	Description of Sample	Recovery (Inches)	PID (ppm)	Chem. Anakysis	Strata change	Depth (ft.b.g)
		Purging 11:45 ~ 11:58		0.0			19'

Additional Comments:

LOG OF BORING

SG - 3

Client: Samoo Architects	**Date/Start Time:** 10:20 2/12/13	**Drilling company:** Zebra
Project Name: Samoo Architects	**Date/Time Completed:** 10:35 2/12/13	**Rig Type:** 661C DT
Project location: 122 E 32nd Street	**Elevation & Datum:** 33'	**Drill Method:** Direct Push
Project Location:	**Completion Depth:** 29'	**Sample Device:** SUMMA Canister
Project number:	**Depth to Water:**	**Logged By:** Chunyuan Li
Boring Location: South		

Sample No.	Sample Interval	Description of Sample	Recovery (Inches)	PID (ppm)	Chem. Anakysis	Strata change	Depth (ft.b.g)
		Purging 11:10 ~11:22		0.0			29'

Additional Comments:

Appendix 2 Laboratory Data Deliverables for Soil and Groundwater Analytical Data

Please Reply To:

AmeriSci Boston
Eight School Street
Weymouth, MA 02189
TEL:(781)337-9334 FAX:(781)337-7642

FACSIMILE TELECOPY TRANSMISSION

To: Alex Janelli
Ethan C. Eldon Associates, Inc

AmeriSci Job# 0812-00036
Subject: 122 32ND STREET

Fax # 212-967-2747

Email: ECEAALEX@AOL.COM

Date: Thursday, December 11, 2008

Time: 7:06:56PM

Comments: This report contains a total of 38 pages, including the cover sheet, laboratory report, chain of custody, airbill, sample receiving form, and any other correspondence related to this work order.

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AmeriSci Boston
Eight School Street
Weymouth, MA 02189
781-337-9334

Laboratory Report

Report Date 12/11/2008
Workorder No. 0812-00036

Customer: Ethan C. Eldon Associates, Inc
1350 Broadway
Suite 612
New York, NY 10018

Attention: Alex Janelli

Subject: 122 32ND STREET

Sample: 001 SB-1 0-5'
Collection Date: 12/02/2008 **Time:** 10:30:00AM **Received Date:** 12/03/2008 **Time:** 9:30:00AM
Matrix: SOIL

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Soil/Solid/Oil							
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Chloromethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Bromomethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Chloroethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Acrolein	EPA 8260B	ND	ug/Kg	98	NAC	12/11/2008 / 13:33	
Acetone	EPA 8260B	ND	ug/Kg	49	NAC	12/11/2008 / 13:33	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Iodomethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Carbon Disulfide	EPA 8260B	ND	ug/Kg	20	NAC	12/11/2008 / 13:33	
Methylene Chloride	EPA 8260B	ND	ug/Kg	39	NAC	12/11/2008 / 13:33	
Acrylonitrile	EPA 8260B	ND	ug/Kg	49	NAC	12/11/2008 / 13:33	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	49	NAC	12/11/2008 / 13:33	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	49	NAC	12/11/2008 / 13:33	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Chloroform	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Bromochloromethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected **PQL= Practical Quantitation Limit**

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 001 SB-1 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Benzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Trichloroethylene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	49	NAC	12/11/2008 / 13:33	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	49	NAC	12/11/2008 / 13:33	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Toluene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Bromodichloromethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Dibromomethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
2-Hexanone	EPA 8260B	ND	ug/Kg	49	NAC	12/11/2008 / 13:33	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Dibromochloromethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Chlorobenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Ethylbenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
M & P XYLENE	EPA 8260B	ND	ug/Kg	20	NAC	12/11/2008 / 13:33	
O-XYLENE	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Styrene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Bromoform	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
n-Propylbenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Bromobenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	

Sample: 001 SB-1 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
n-Butylbenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
Naphthalene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	9.8	NAC	12/11/2008 / 13:33	
DIBROMOFLUOROMETHANE (SURR)		106	%		NAC	12/11/2008 / 13:33	
TOLUENE-D8 (SURROGATE)		102	%		NAC	12/11/2008 / 13:33	
4-BROMOFLUOROBENZENE (SURR)		92.1	%		NAC	12/11/2008 / 13:33	
B/NA Extractables Soil							
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Phenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Benzyl Alcohol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Hexachloroethane	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	380	TLL	12/04/2008 / 14:27	
Nitrobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Isophorone	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	

Sample: 001 SB-1 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Naphthalene	EPA 8270C	250	ug/Kg	190	TLL	12/04/2008 / 14:27	
4-Chloroanaline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2-Methyl Naphthalene	EPA 8270C	280	ug/Kg	190	TLL	12/04/2008 / 14:27	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2-Chloronaphthalene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Acenaphthylene	EPA 8270C	710	ug/Kg	190	TLL	12/04/2008 / 14:27	
Dimethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Acenaphthene	EPA 8270C	540	ug/Kg	190	TLL	12/04/2008 / 14:27	
3-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	760	TLL	12/04/2008 / 14:27	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Dibenzofuran	EPA 8270C	460	ug/Kg	190	TLL	12/04/2008 / 14:27	
4-Nitrophenol	EPA 8270C	ND	ug/Kg	760	TLL	12/04/2008 / 14:27	
Fluorene	EPA 8270C	570	ug/Kg	190	TLL	12/04/2008 / 14:27	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	760	TLL	12/04/2008 / 14:27	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Pentachlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Phenanthrene	EPA 8270C	8500	ug/Kg	1900	TLL	12/04/2008 / 14:27	
Anthracene	EPA 8270C	1100	ug/Kg	190	TLL	12/04/2008 / 14:27	
Carbazole	EPA 8270C	530	ug/Kg	190	TLL	12/04/2008 / 14:27	

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 001 SB-1 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Fluoranthene	EPA 8270C	13000	ug/Kg	1900	TLL	12/04/2008 / 14:27	
Benzidine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Pyrene	EPA 8270C	13000	ug/Kg	1900	TLL	12/04/2008 / 14:27	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Benzo(a)anthracene	EPA 8270C	6000	ug/Kg	1900	TLL	12/04/2008 / 14:27	
Chrysene	EPA 8270C	6700	ug/Kg	1900	TLL	12/04/2008 / 14:27	
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Di-n-octyl phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 14:27	
Indeno (1,2,3-cd)Pyrene	EPA 8270C	1900	ug/Kg	190	TLL	12/04/2008 / 14:27	
Benzo(b)fluoranthene	EPA 8270C	5400	ug/Kg	1900	TLL	12/04/2008 / 14:27	
Benzo(k)fluoranthene	EPA 8270C	5200	ug/Kg	1900	TLL	12/04/2008 / 14:27	
Benzo(a)pyrene	EPA 8270C	5900	ug/Kg	1900	TLL	12/04/2008 / 14:27	
Dibenzo(a,h)Anthracene	EPA 8270C	760	ug/Kg	190	TLL	12/04/2008 / 14:27	
Benzo (g,h,i) perylene	EPA 8270C	3800	ug/Kg	1900	TLL	12/04/2008 / 14:27	
2-FLUOROPHENOL (SURR)		72.7	%		TLL	12/04/2008 / 14:27	
PHENOL-D5 (SURR)		80.6	%		TLL	12/04/2008 / 14:27	
NITROBENZENE-D5 (SURR)		72.2	%		TLL	12/04/2008 / 14:27	
2-FLUOROBIPHENYL (SURR)		78.6	%		TLL	12/04/2008 / 14:27	
2,4,6-TRIBROMOPHENOL (SURR)		90.7	%		TLL	12/04/2008 / 14:27	
TERPHENYL-D14 (SURR)		89.8	%		TLL	12/04/2008 / 14:27	
Pesticides-Soil/Solid							
alpha-BHC	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
beta-BHC	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
gamma-BHC (Lindane)	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
delta-BHC	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Heptachlor	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Heptachlor Epoxide	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Aldrin	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Dieldrin	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endrin	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
4,4'-DDD	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
4,4'-DDE	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	

Sample: 001 SB-1 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
4,4'-DDT	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endosulfan I	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endosulfan II	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endosulfan Sulfate	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endrin Aldehyde	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Methoxychlor	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endrin Ketone	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Chlordane	EPA 8081A	ND	ug/Kg	37.3	NAC	12/09/2008 / 16:25	
Toxaphene	EPA 8081A	ND	ug/Kg	37.3	NAC	12/09/2008 / 16:25	
TCMX (SURROGATE)		40.7	%		NAC	12/09/2008 / 16:25	GX
DCB (SURROGATE)		59.5	%		NAC	12/09/2008 / 16:25	
PCB-SOIL/SOLID							
PCB-1016	EPA 8082	ND	ug/Kg	37.3	NAC	12/04/2008 / 14:06	
PCB-1221	EPA 8082	ND	ug/Kg	37.3	NAC	12/04/2008 / 14:06	
PCB-1232	EPA 8082	ND	ug/Kg	37.3	NAC	12/04/2008 / 14:06	
PCB-1242	EPA 8082	ND	ug/Kg	37.3	NAC	12/04/2008 / 14:06	
PCB-1248	EPA 8082	ND	ug/Kg	37.3	NAC	12/04/2008 / 14:06	
PCB-1254	EPA 8082	ND	ug/Kg	37.3	NAC	12/04/2008 / 14:06	
PCB-1260	EPA 8082	ND	ug/Kg	37.3	NAC	12/04/2008 / 14:06	
PCB-1262	EPA 8082	ND	ug/Kg	37.3	NAC	12/04/2008 / 14:06	
PCB-1268	EPA 8082	ND	ug/Kg	37.3	NAC	12/04/2008 / 14:06	
TCMX (SURROGATE)		68.9	%		NAC	12/04/2008 / 14:06	
DCB (SURROGATE)		66.6	%		NAC	12/04/2008 / 14:06	
Target Analyte List Metals							
Antimony	6010B, SW-846	ND	mg/Kg	3.82	PJS	12/04/2008 / 15:58	
Aluminum	6010B, SW-846	4530	mg/Kg	18.9	PJS	12/04/2008 / 15:58	
Arsenic	6010B, SW-846	ND	mg/Kg	47.2	PJS	12/04/2008 / 15:58	RL7
Barium	6010B, SW-846	870	mg/Kg	8.5	PJS	12/04/2008 / 15:58	RL7
Beryllium	6010B, SW-846	0.439	mg/Kg	0.283	PJS	12/04/2008 / 15:58	
Cadmium	6010B, SW-846	0.682	mg/Kg	0.283	PJS	12/04/2008 / 15:58	
Chromium	6010B, SW-846	13.3	mg/Kg	0.945	PJS	12/04/2008 / 15:58	
Calcium	6010B, SW-846	58500	mg/Kg	142	PJS	12/04/2008 / 15:58	
Iron	6010B, SW-846	7460	mg/Kg	9.45	PJS	12/04/2008 / 15:58	
Cobalt	6010B, SW-846	ND	mg/Kg	5.67	PJS	12/04/2008 / 15:58	

Sample: 001 SB-1 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Copper	6010B, SW-846	13.2	mg/Kg	4.72	PJS	12/04/2008 / 15:58	
Lead	6010B, SW-846	7530	mg/Kg	8.50	PJS	12/04/2008 / 15:58	
Magnesium	6010B, SW-846	3190	mg/Kg	113	PJS	12/04/2008 / 15:58	
Manganese	6010B, SW-846	281	mg/Kg	1.42	PJS	12/04/2008 / 15:58	
Mercury	SW-846; 7471A	0.427	mg/Kg	0.0370	PJS	12/09/2008 / 14:41	
Nickel	6010B, SW-846	10.4	mg/Kg	3.78	PJS	12/04/2008 / 15:58	
Vanadium	6010B, SW-846	17.7	mg/Kg	4.72	PJS	12/04/2008 / 15:58	
Selenium	6010B, SW-846	ND	mg/Kg	13.0	PJS	12/04/2008 / 15:58	RL7
Potassium	6010B, SW-846	902	mg/Kg	142	PJS	12/04/2008 / 15:58	
Silver	6010B, SW-846	ND	mg/Kg	0.47	PJS	12/04/2008 / 15:58	
Sodium	6010B, SW-846	339	mg/Kg	142	PJS	12/04/2008 / 15:58	
Thallium	6010B, SW-846	ND	mg/Kg	5.67	PJS	12/04/2008 / 15:58	RL7
Zinc	6010B, SW-846	295	mg/Kg	14.2	PJS	12/04/2008 / 15:58	RL7
Percent Solids	SM 2540G	87.5	%		PDP	12/04/2008 / 13:11	
Flame/ICP Solid Digestion	EPA 3050B	82.6446			PDP	12/04/2008 / 13:09	

Sample: 002 SB-1 5-10'
Collection Date: 12/02/2008 Time: 10:40:00AM **Received Date: 12/03/2008 Time: 9:30:00AM**
Matrix: SOIL

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Soil/Solid/Oil							
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Chloromethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Bromomethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Chloroethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Acrolein	EPA 8260B	ND	ug/Kg	100	NAC	12/11/2008 / 14:05	
Acetone	EPA 8260B	ND	ug/Kg	50	NAC	12/11/2008 / 14:05	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Iodomethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Carbon Disulfide	EPA 8260B	ND	ug/Kg	20	NAC	12/11/2008 / 14:05	
Methylene Chloride	EPA 8260B	ND	ug/Kg	40	NAC	12/11/2008 / 14:05	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 002 SB-1 5-10'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Acrylonitrile	EPA 8260B	ND	ug/Kg	50	NAC	12/11/2008 / 14:05	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	50	NAC	12/11/2008 / 14:05	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	50	NAC	12/11/2008 / 14:05	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Chloroform	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Bromochloromethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Benzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Trichloroethylene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	50	NAC	12/11/2008 / 14:05	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	50	NAC	12/11/2008 / 14:05	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Toluene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Bromodichloromethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Dibromomethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
2-Hexanone	EPA 8260B	ND	ug/Kg	50	NAC	12/11/2008 / 14:05	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Dibromochloromethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Chlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Ethylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
M & P XYLENE	EPA 8260B	ND	ug/Kg	20	NAC	12/11/2008 / 14:05	

Sample: 002 SB-1 5-10'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
O-XYLENE	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Styrene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Bromoform	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
n-Propylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
Bromobenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
n-Butylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
Naphthalene	EPA 8260B	30.1	ug/Kg	10	NAC	12/11/2008 / 14:05	I
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	12/11/2008 / 14:05	I
DIBROMOFLUOROMETHANE (SURR)		111	%		NAC	12/11/2008 / 14:05	
TOLUENE-D8 (SURROGATE)		99.1	%		NAC	12/11/2008 / 14:05	
4-BROMOFLUOROBENZENE (SURR)		78.8	%		NAC	12/11/2008 / 14:05	
B/NA Extractables Soil							
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Phenol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	

Sample: 002 SB-1 5-10'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Benzyl Alcohol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Hexachloroethane	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	1900	TLL	12/04/2008 / 15:05	
Nitrobenzene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Isophorone	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2-Nitrophenol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Naphthalene	EPA 8270C	1300	ug/Kg	960	TLL	12/04/2008 / 15:05	
4-Chloroanaline	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2-Methyl Naphthalene	EPA 8270C	1200	ug/Kg	960	TLL	12/04/2008 / 15:05	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2-Chloronaphthalene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Acenaphthylene	EPA 8270C	1600	ug/Kg	960	TLL	12/04/2008 / 15:05	
Dimethyl Phthalate	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Acenaphthene	EPA 8270C	1900	ug/Kg	960	TLL	12/04/2008 / 15:05	
3-Nitroaniline	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	3800	TLL	12/04/2008 / 15:05	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Dibenzofuran	EPA 8270C	1500	ug/Kg	960	TLL	12/04/2008 / 15:05	
4-Nitrophenol	EPA 8270C	ND	ug/Kg	3800	TLL	12/04/2008 / 15:05	

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Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 002 SB-1 5-10'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Fluorene	EPA 8270C	2000	ug/Kg	960	TLL	12/04/2008 / 15:05	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	3800	TLL	12/04/2008 / 15:05	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Pentachlorophenol	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Phenanthrene	EPA 8270C	31000	ug/Kg	4800	TLL	12/04/2008 / 15:05	
Anthracene	EPA 8270C	3400	ug/Kg	960	TLL	12/04/2008 / 15:05	
Carbazole	EPA 8270C	1800	ug/Kg	960	TLL	12/04/2008 / 15:05	
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Fluoranthene	EPA 8270C	34000	ug/Kg	4800	TLL	12/04/2008 / 15:05	
Benzidine	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Pyrene	EPA 8270C	35000	ug/Kg	4800	TLL	12/04/2008 / 15:05	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Benzo(a)anthracene	EPA 8270C	13000	ug/Kg	960	TLL	12/04/2008 / 15:05	
Chrysene	EPA 8270C	17000	ug/Kg	960	TLL	12/04/2008 / 15:05	
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Di-n-octyl phthalate	EPA 8270C	ND	ug/Kg	960	TLL	12/04/2008 / 15:05	
Indeno (1,2,3-cd)Pyrene	EPA 8270C	4000	ug/Kg	960	TLL	12/04/2008 / 15:05	
Benzo(b)fluoranthene	EPA 8270C	11000	ug/Kg	960	TLL	12/04/2008 / 15:05	
Benzo(k)fluoranthene	EPA 8270C	12000	ug/Kg	960	TLL	12/04/2008 / 15:05	
Benzo(a)pyrene	EPA 8270C	12000	ug/Kg	960	TLL	12/04/2008 / 15:05	
Dibenzo(a,h)Anthracene	EPA 8270C	1600	ug/Kg	960	TLL	12/04/2008 / 15:05	
Benzo (g,h,i) perylene	EPA 8270C	8400	ug/Kg	960	TLL	12/04/2008 / 15:05	
2-FLUOROPHENOL (SURR)		61.9	%		TLL	12/04/2008 / 15:05	
PHENOL-D5 (SURR)		68.6	%		TLL	12/04/2008 / 15:05	
NITROBENZENE-D5 (SURR)		64.1	%		TLL	12/04/2008 / 15:05	
2-FLUOROBIPHENYL (SURR)		68.4	%		TLL	12/04/2008 / 15:05	
2,4,6-TRIBROMOPHENOL (SURR)		75.0	%		TLL	12/04/2008 / 15:05	
TERPHENYL-D14 (SURR)		76.1	%		TLL	12/04/2008 / 15:05	

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Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 002 SB-1 5-10'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Pesticides-Soil/Solid							
alpha-BHC	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
beta-BHC	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
gamma-BHC (Lindane)	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
delta-BHC	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Heptachlor	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Heptachlor Epoxide	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Aldrin	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Dieldrin	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Endrin	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
4,4'-DDD	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
4,4'-DDE	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
4,4'-DDT	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Endosulfan I	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Endosulfan II	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Endosulfan Sulfate	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Endrin Aldehyde	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Methoxychlor	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Endrin Ketone	EPA 8081A	ND	ug/Kg	19	NAC	12/09/2008 / 11:00	RL3
Chlordane	EPA 8081A	ND	ug/Kg	379	NAC	12/09/2008 / 11:00	RL3
Toxaphene	EPA 8081A	ND	ug/Kg	379	NAC	12/09/2008 / 11:00	RL3
TCMX (SURROGATE)		32.9	%		NAC	12/09/2008 / 11:00	GX
DCB (SURROGATE)		61.8	%		NAC	12/09/2008 / 11:00	
PCB-SOIL/SOLID							
PCB-1016	EPA 8082	ND	ug/Kg	379	NAC	12/04/2008 / 7:00	RL3
PCB-1221	EPA 8082	ND	ug/Kg	379	NAC	12/04/2008 / 7:00	RL3
PCB-1232	EPA 8082	ND	ug/Kg	379	NAC	12/04/2008 / 7:00	RL3
PCB-1242	EPA 8082	ND	ug/Kg	379	NAC	12/04/2008 / 7:00	RL3
PCB-1248	EPA 8082	ND	ug/Kg	379	NAC	12/04/2008 / 7:00	RL3
PCB-1254	EPA 8082	ND	ug/Kg	379	NAC	12/04/2008 / 7:00	RL3
PCB-1260	EPA 8082	ND	ug/Kg	379	NAC	12/04/2008 / 7:00	RL3
PCB-1262	EPA 8082	ND	ug/Kg	379	NAC	12/04/2008 / 7:00	RL3
PCB-1268	EPA 8082	ND	ug/Kg	379	NAC	12/04/2008 / 7:00	RL3
TCMX (SURROGATE)		90.3	%		NAC	12/04/2008 / 7:00	

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Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 002 SB-1 5-10'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
DCB (SURROGATE)		73.5	%		NAC	12/04/2008 / 7:00	
Target Analyte List Metals							
Antimony	6010B, SW-846	ND	mg/Kg	17.7	PJS	12/04/2008 / 15:58	RL7
Aluminum	6010B, SW-846	5520	mg/Kg	17.5	PJS	12/04/2008 / 15:58	
Arsenic	6010B, SW-846	ND	mg/Kg	43.8	PJS	12/04/2008 / 15:58	RL7
Barium	6010B, SW-846	ND	mg/Kg	13	PJS	12/04/2008 / 15:58	RL7
Beryllium	6010B, SW-846	795	mg/Kg	0.263	PJS	12/04/2008 / 15:58	
Cadmium	6010B, SW-846	1.14	mg/Kg	0.263	PJS	12/04/2008 / 15:58	
Chromium	6010B, SW-846	15.6	mg/Kg	0.876	PJS	12/04/2008 / 15:58	
Calcium	6010B, SW-846	69000	mg/Kg	657	PJS	12/04/2008 / 15:58	
Iron	6010B, SW-846	13100	mg/Kg	8.76	PJS	12/04/2008 / 15:58	
Cobalt	6010B, SW-846	ND	mg/Kg	5.26	PJS	12/04/2008 / 15:58	
Copper	6010B, SW-846	ND	mg/Kg	21.9	PJS	12/04/2008 / 15:58	RL7
Lead	6010B, SW-846	5400	mg/Kg	13.1	PJS	12/04/2008 / 15:58	
Magnesium	6010B, SW-846	3320	mg/Kg	105	PJS	12/04/2008 / 15:58	
Manganese	6010B, SW-846	362	mg/Kg	6.57	PJS	12/04/2008 / 15:58	RL7
Mercury	SW-846; 7471A	1.34	mg/Kg	0.0405	PJS	12/09/2008 / 14:41	
Nickel	6010B, SW-846	20.2	mg/Kg	3.51	PJS	12/04/2008 / 15:58	
Vanadium	6010B, SW-846	23.5	mg/Kg	21.9	PJS	12/04/2008 / 15:58	RL7
Selenium	6010B, SW-846	ND	mg/Kg	20.2	PJS	12/04/2008 / 15:58	RL7
Potassium	6010B, SW-846	989	mg/Kg	131	PJS	12/04/2008 / 15:58	
Silver	6010B, SW-846	ND	mg/Kg	0.44	PJS	12/04/2008 / 15:58	
Sodium	6010B, SW-846	342	mg/Kg	131	PJS	12/04/2008 / 15:58	
Thallium	6010B, SW-846	ND	mg/Kg	8.76	PJS	12/04/2008 / 15:58	RL7
Zinc	6010B, SW-846	555	mg/Kg	4.38	PJS	12/04/2008 / 15:58	
Percent Solids	SM 2540G	85.8	%		PDP	12/04/2008 / 13:11	
Flame/ICP Solid Digestion	EPA 3050B	75.1880			PDP	12/04/2008 / 13:09	

Sample: 003 SB-2 0-5'
Collection Date: 12/02/2008 Time: 11:15:00AM **Received Date: 12/03/2008 Time: 9:30:00AM**
Matrix: SOIL

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Soil/Solid/Oil							

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected **PQL= Practical Quantitation Limit**

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 003 SB-2 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Chloromethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Bromomethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Chloroethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Acrolein	EPA 8260B	ND	ug/Kg	80	NAC	12/11/2008 / 14:36	
Acetone	EPA 8260B	51.2	ug/Kg	40	NAC	12/11/2008 / 14:36	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Iodomethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Carbon Disulfide	EPA 8260B	ND	ug/Kg	16	NAC	12/11/2008 / 14:36	
Methylene Chloride	EPA 8260B	ND	ug/Kg	32	NAC	12/11/2008 / 14:36	
Acrylonitrile	EPA 8260B	ND	ug/Kg	40	NAC	12/11/2008 / 14:36	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	40	NAC	12/11/2008 / 14:36	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	40	NAC	12/11/2008 / 14:36	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Chloroform	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Bromochloromethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Benzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Trichloroethylene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	40	NAC	12/11/2008 / 14:36	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	40	NAC	12/11/2008 / 14:36	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Toluene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	

Sample: 003 SB-2 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Bromodichloromethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Dibromomethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
2-Hexanone	EPA 8260B	ND	ug/Kg	40	NAC	12/11/2008 / 14:36	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Dibromochloromethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Chlorobenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Ethylbenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
M & P XYLENE	EPA 8260B	ND	ug/Kg	16	NAC	12/11/2008 / 14:36	
O-XYLENE	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Styrene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Bromoform	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
n-Propylbenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Bromobenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
n-Butylbenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	

Sample: 003 SB-2 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
Naphthalene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	8.0	NAC	12/11/2008 / 14:36	
DIBROMOFLUOROMETHANE (SURR)		107	%		NAC	12/11/2008 / 14:36	
TOLUENE-D8 (SURROGATE)		104	%		NAC	12/11/2008 / 14:36	
4-BROMOFLUOROBENZENE (SURR)		88.8	%		NAC	12/11/2008 / 14:36	
B/NA Extractables Soil							
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Phenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Benzyl Alcohol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Hexachloroethane	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	390	TLL	12/04/2008 / 15:44	
Nitrobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Isophorone	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
4-Chloroanaline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2-Methyl Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	

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Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 003 SB-2 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2-Chloronaphthalene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Acenaphthylene	EPA 8270C	390	ug/Kg	190	TLL	12/04/2008 / 15:44	
Dimethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Acenaphthene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
3-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	780	TLL	12/04/2008 / 15:44	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Dibenzofuran	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
4-Nitrophenol	EPA 8270C	ND	ug/Kg	780	TLL	12/04/2008 / 15:44	
Fluorene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	780	TLL	12/04/2008 / 15:44	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Pentachlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Phenanthrene	EPA 8270C	470	ug/Kg	190	TLL	12/04/2008 / 15:44	
Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Carbazole	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Fluoranthene	EPA 8270C	3500	ug/Kg	190	TLL	12/04/2008 / 15:44	
Benzidine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Pyrene	EPA 8270C	3200	ug/Kg	190	TLL	12/04/2008 / 15:44	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Benzo(a)anthracene	EPA 8270C	1700	ug/Kg	190	TLL	12/04/2008 / 15:44	
Chrysene	EPA 8270C	1700	ug/Kg	190	TLL	12/04/2008 / 15:44	
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	
Di-n-octyl phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 15:44	

Sample: 003 SB-2 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Indeno (1,2,3-cd)Pyrene	EPA 8270C	640	ug/Kg	190	TLL	12/04/2008 / 15:44	
Benzo(b)fluoranthene	EPA 8270C	1700	ug/Kg	190	TLL	12/04/2008 / 15:44	
Benzo(k)fluoranthene	EPA 8270C	1800	ug/Kg	190	TLL	12/04/2008 / 15:44	
Benzo(a)pyrene	EPA 8270C	1800	ug/Kg	190	TLL	12/04/2008 / 15:44	
Dibenzo(a,h)Anthracene	EPA 8270C	230	ug/Kg	190	TLL	12/04/2008 / 15:44	
Benzo (g,h,i) perylene	EPA 8270C	1100	ug/Kg	190	TLL	12/04/2008 / 15:44	
2-FLUOROPHENOL (SURR)		75.8	%		TLL	12/04/2008 / 15:44	
PHENOL-D5 (SURR)		83.0	%		TLL	12/04/2008 / 15:44	
NITROBENZENE-D5 (SURR)		75.1	%		TLL	12/04/2008 / 15:44	
2-FLUOROBIPHENYL (SURR)		78.9	%		TLL	12/04/2008 / 15:44	
2,4,6-TRIBROMOPHENOL (SURR)		106	%		TLL	12/04/2008 / 15:44	
TERPHENYL-D14 (SURR)		91.1	%		TLL	12/04/2008 / 15:44	
Pesticides-Soil/Solid							
alpha-BHC	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
beta-BHC	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
gamma-BHC (Lindane)	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
delta-BHC	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Heptachlor	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Heptachlor Epoxide	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Aldrin	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Dieldrin	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endrin	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
4,4'-DDD	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
4,4'-DDE	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
4,4'-DDT	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endosulfan I	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endosulfan II	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endosulfan Sulfate	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endrin Aldehyde	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Methoxychlor	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Endrin Ketone	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 16:25	
Chlordane	EPA 8081A	ND	ug/Kg	38.7	NAC	12/09/2008 / 16:25	
Toxaphene	EPA 8081A	ND	ug/Kg	38.7	NAC	12/09/2008 / 16:25	
TCMX (SURROGATE)		50.4	%		NAC	12/09/2008 / 16:25	

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Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 003 SB-2 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
DCB (SURROGATE)		116	%		NAC	12/09/2008 / 16:25	
PCB-SOIL/SOLID							
PCB-1016	EPA 8082	ND	ug/Kg	38.7	NAC	12/04/2008 / 14:06	
PCB-1221	EPA 8082	ND	ug/Kg	38.7	NAC	12/04/2008 / 14:06	
PCB-1232	EPA 8082	ND	ug/Kg	38.7	NAC	12/04/2008 / 14:06	
PCB-1242	EPA 8082	ND	ug/Kg	38.7	NAC	12/04/2008 / 14:06	
PCB-1248	EPA 8082	ND	ug/Kg	38.7	NAC	12/04/2008 / 14:06	
PCB-1254	EPA 8082	ND	ug/Kg	38.7	NAC	12/04/2008 / 14:06	
PCB-1260	EPA 8082	ND	ug/Kg	38.7	NAC	12/04/2008 / 14:06	
PCB-1262	EPA 8082	ND	ug/Kg	38.7	NAC	12/04/2008 / 14:06	
PCB-1268	EPA 8082	ND	ug/Kg	38.7	NAC	12/04/2008 / 14:06	
TCMX (SURROGATE)		72.1	%		NAC	12/04/2008 / 14:06	
DCB (SURROGATE)		83.3	%		NAC	12/04/2008 / 14:06	
Target Analyte List Metals							
Antimony	6010B, SW-846	ND	mg/Kg	7.04	PJS	12/04/2008 / 15:58	RL7
Aluminum	6010B, SW-846	10200	mg/Kg	17.4	PJS	12/04/2008 / 15:58	
Arsenic	6010B, SW-846	ND	mg/Kg	8.71	PJS	12/04/2008 / 15:58	RL7
Barium	6010B, SW-846	69.7	mg/Kg	2.6	PJS	12/04/2008 / 15:58	
Beryllium	6010B, SW-846	0.85	mg/Kg	0.261	PJS	12/04/2008 / 15:58	
Cadmium	6010B, SW-846	0.915	mg/Kg	0.261	PJS	12/04/2008 / 15:58	
Chromium	6010B, SW-846	14.2	mg/Kg	0.871	PJS	12/04/2008 / 15:58	
Calcium	6010B, SW-846	9560	mg/Kg	131	PJS	12/04/2008 / 15:58	
Iron	6010B, SW-846	14200	mg/Kg	8.71	PJS	12/04/2008 / 15:58	
Cobalt	6010B, SW-846	6.32	mg/Kg	5.23	PJS	12/04/2008 / 15:58	
Copper	6010B, SW-846	17.1	mg/Kg	8.71	PJS	12/04/2008 / 15:58	
Lead	6010B, SW-846	105	mg/Kg	2.61	PJS	12/04/2008 / 15:58	
Magnesium	6010B, SW-846	2850	mg/Kg	105	PJS	12/04/2008 / 15:58	
Manganese	6010B, SW-846	395	mg/Kg	1.31	PJS	12/04/2008 / 15:58	
Mercury	SW-846; 7471A	0.226	mg/Kg	0.0375	PJS	12/09/2008 / 14:41	
Nickel	6010B, SW-846	12.4	mg/Kg	3.48	PJS	12/04/2008 / 15:58	
Vanadium	6010B, SW-846	27.9	mg/Kg	4.36	PJS	12/04/2008 / 15:58	
Selenium	6010B, SW-846	ND	mg/Kg	4.01	PJS	12/04/2008 / 15:58	
Potassium	6010B, SW-846	1220	mg/Kg	131	PJS	12/04/2008 / 15:58	
Silver	6010B, SW-846	ND	mg/Kg	0.44	PJS	12/04/2008 / 15:58	

Sample: 003 SB-2 0-5'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Sodium	6010B, SW-846	218	mg/Kg	131	PJS	12/04/2008 / 15:58	
Thallium	6010B, SW-846	ND	mg/Kg	1.74	PJS	12/04/2008 / 15:58	
Zinc	6010B, SW-846	64.2	mg/Kg	4.36	PJS	12/04/2008 / 15:58	
Percent Solids	SM 2540G	84.4	%		PDP	12/04/2008 / 13:11	
Flame/ICP Solid Digestion	EPA 3050B	73.5294			PDP	12/04/2008 / 13:09	

Sample: 004 SB-2 15-20'
Collection Date: 12/02/2008 Time: 11:30:00AM **Received Date: 12/03/2008 Time: 9:30:00AM**
Matrix: SOIL

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Soil/Solid/Oil							
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Chloromethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Bromomethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Chloroethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Acrolein	EPA 8260B	ND	ug/Kg	92	NAC	12/08/2008 / 17:51	
Acetone	EPA 8260B	66.4	ug/Kg	46	NAC	12/08/2008 / 17:51	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Iodomethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Carbon Disulfide	EPA 8260B	ND	ug/Kg	18	NAC	12/08/2008 / 17:51	
Methylene Chloride	EPA 8260B	ND	ug/Kg	37	NAC	12/08/2008 / 17:51	
Acrylonitrile	EPA 8260B	ND	ug/Kg	46	NAC	12/08/2008 / 17:51	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	46	NAC	12/08/2008 / 17:51	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	46	NAC	12/08/2008 / 17:51	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Chloroform	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Bromochloromethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 004 SB-2 15-20'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Benzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Trichloroethylene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	46	NAC	12/08/2008 / 17:51	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	46	NAC	12/08/2008 / 17:51	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Toluene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Bromodichloromethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Dibromomethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
2-Hexanone	EPA 8260B	ND	ug/Kg	46	NAC	12/08/2008 / 17:51	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Dibromochloromethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Chlorobenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Ethylbenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
M & P XYLENE	EPA 8260B	ND	ug/Kg	18	NAC	12/08/2008 / 17:51	
O-XYLENE	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Styrene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Bromoform	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
n-Propylbenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Bromobenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 004 SB-2 15-20'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
n-Butylbenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
Naphthalene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	9.2	NAC	12/08/2008 / 17:51	
DIBROMOFLUOROMETHANE (SURR)		101	%		NAC	12/08/2008 / 17:51	
TOLUENE-D8 (SURROGATE)		100	%		NAC	12/08/2008 / 17:51	
4-BROMOFLUOROBENZENE (SURR)		88.8	%		NAC	12/08/2008 / 17:51	
B/NA Extractables Soil							
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Phenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Benzyl Alcohol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Hexachloroethane	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	380	TLL	12/04/2008 / 16:22	
Nitrobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Isophorone	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 004 SB-2 15-20'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
2-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
4-Chloroanaline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2-Methyl Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2-Chloronaphthalene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Acenaphthylene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Dimethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Acenaphthene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
3-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	760	TLL	12/04/2008 / 16:22	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Dibenzofuran	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
4-Nitrophenol	EPA 8270C	ND	ug/Kg	760	TLL	12/04/2008 / 16:22	
Fluorene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	760	TLL	12/04/2008 / 16:22	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Pentachlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Phenanthrene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected PQL= Practical Quantitation Limit

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 004 SB-2 15-20'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Carbazole	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Benzidine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Benzo(a)anthracene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Chrysene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Di-n-octyl phthalate	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Indeno (1,2,3-cd)Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Benzo(b)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Benzo(k)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Benzo(a)pyrene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Dibenzo(a,h)Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
Benzo (g,h,i) perylene	EPA 8270C	ND	ug/Kg	190	TLL	12/04/2008 / 16:22	
2-FLUOROPHENOL (SURR)		69.5	%		TLL	12/04/2008 / 16:22	
PHENOL-D5 (SURR)		75.7	%		TLL	12/04/2008 / 16:22	
NITROBENZENE-D5 (SURR)		68.6	%		TLL	12/04/2008 / 16:22	
2-FLUOROBIPHENYL (SURR)		74.9	%		TLL	12/04/2008 / 16:22	
2,4,6-TRIBROMOPHENOL (SURR)		102	%		TLL	12/04/2008 / 16:22	
TERPHENYL-D14 (SURR)		81.5	%		TLL	12/04/2008 / 16:22	
Pesticides-Soil/Solid							
alpha-BHC	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
beta-BHC	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
gamma-BHC (Lindane)	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
delta-BHC	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Heptachlor	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Heptachlor Epoxide	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Aldrin	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Dieldrin	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Endrin	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 004 SB-2 15-20'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
4,4'-DDD	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
4,4'-DDE	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
4,4'-DDT	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Endosulfan I	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Endosulfan II	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Endosulfan Sulfate	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Endrin Aldehyde	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Methoxychlor	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Endrin Ketone	EPA 8081A	ND	ug/Kg	1.9	NAC	12/09/2008 / 12:21	
Chlordane	EPA 8081A	ND	ug/Kg	38.1	NAC	12/09/2008 / 12:21	
Toxaphene	EPA 8081A	ND	ug/Kg	38.1	NAC	12/09/2008 / 12:21	
TCMX (SURROGATE)		60.0	%		NAC	12/09/2008 / 12:21	
DCB (SURROGATE)		64.6	%		NAC	12/09/2008 / 12:21	
PCB-SOIL/SOLID							
PCB-1016	EPA 8082	ND	ug/Kg	38.1	NAC	12/04/2008 / 12:25	
PCB-1221	EPA 8082	ND	ug/Kg	38.1	NAC	12/04/2008 / 12:25	
PCB-1232	EPA 8082	ND	ug/Kg	38.1	NAC	12/04/2008 / 12:25	
PCB-1242	EPA 8082	ND	ug/Kg	38.1	NAC	12/04/2008 / 12:25	
PCB-1248	EPA 8082	ND	ug/Kg	38.1	NAC	12/04/2008 / 12:25	
PCB-1254	EPA 8082	ND	ug/Kg	38.1	NAC	12/04/2008 / 12:25	
PCB-1260	EPA 8082	ND	ug/Kg	38.1	NAC	12/04/2008 / 12:25	
PCB-1262	EPA 8082	ND	ug/Kg	38.1	NAC	12/04/2008 / 12:25	
PCB-1268	EPA 8082	ND	ug/Kg	38.1	NAC	12/04/2008 / 12:25	
TCMX (SURROGATE)		62.8	%		NAC	12/04/2008 / 12:25	
DCB (SURROGATE)		70.4	%		NAC	12/04/2008 / 12:25	
Target Analyte List Metals							
Antimony	6010B, SW-846	ND	mg/Kg	4.46	PJS	12/04/2008 / 15:58	
Aluminum	6010B, SW-846	10200	mg/Kg	22.1	PJS	12/04/2008 / 15:58	
Arsenic	6010B, SW-846	ND	mg/Kg	11.0	PJS	12/04/2008 / 15:58	RL7
Barium	6010B, SW-846	62.5	mg/Kg	3.3	PJS	12/04/2008 / 15:58	
Beryllium	6010B, SW-846	0.876	mg/Kg	0.331	PJS	12/04/2008 / 15:58	
Cadmium	6010B, SW-846	0.984	mg/Kg	0.331	PJS	12/04/2008 / 15:58	
Chromium	6010B, SW-846	18.8	mg/Kg	1.10	PJS	12/04/2008 / 15:58	
Calcium	6010B, SW-846	1080	mg/Kg	166	PJS	12/04/2008 / 15:58	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected **PQL= Practical Quantitation Limit**

Sample: 004 SB-2 15-20'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Iron	6010B, SW-846	15200	mg/Kg	11.0	PJS	12/04/2008 / 15:58	
Cobalt	6010B, SW-846	7.75	mg/Kg	6.63	PJS	12/04/2008 / 15:58	
Copper	6010B, SW-846	20.6	mg/Kg	11.0	PJS	12/04/2008 / 15:58	
Lead	6010B, SW-846	26.9	mg/Kg	3.31	PJS	12/04/2008 / 15:58	
Magnesium	6010B, SW-846	2890	mg/Kg	133	PJS	12/04/2008 / 15:58	
Manganese	6010B, SW-846	257	mg/Kg	1.66	PJS	12/04/2008 / 15:58	
Mercury	SW-846; 7471A	ND	mg/Kg	0.0369	PJS	12/09/2008 / 14:41	
Nickel	6010B, SW-846	14.5	mg/Kg	4.42	PJS	12/04/2008 / 15:58	
Vanadium	6010B, SW-846	31.0	mg/Kg	5.52	PJS	12/04/2008 / 15:58	
Selenium	6010B, SW-846	ND	mg/Kg	5.08	PJS	12/04/2008 / 15:58	
Potassium	6010B, SW-846	1640	mg/Kg	166	PJS	12/04/2008 / 15:58	
Silver	6010B, SW-846	ND	mg/Kg	0.55	PJS	12/04/2008 / 15:58	
Sodium	6010B, SW-846	250	mg/Kg	166	PJS	12/04/2008 / 15:58	
Thallium	6010B, SW-846	ND	mg/Kg	2.21	PJS	12/04/2008 / 15:58	
Zinc	6010B, SW-846	35.6	mg/Kg	5.52	PJS	12/04/2008 / 15:58	
Percent Solids	SM 2540G	86.2	%		PDP	12/04/2008 / 13:11	
Flame/ICP Solid Digestion	EPA 3050B	95.2381			PDP	12/04/2008 / 13:09	

Sample: 005 GW-1
Collection Date: 12/02/2008 Time: 12:15:00PM **Received Date: 12/03/2008 Time: 9:30:00AM**
Matrix: WATER

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Water							
Dichlorodifluoromethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Vinyl Chloride	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Chloromethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Bromomethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Chloroethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Trichlorofluoromethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Acrolein	EPA 8260B	ND	ug/L	25	NAC	12/04/2008 / 12:26	
Acetone	EPA 8260B	ND	ug/L	25	NAC	12/04/2008 / 12:26	
1,1-Dichloroethylene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Iodomethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 005 GW-1
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Carbon Disulfide	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Methylene Chloride	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Acrylonitrile	EPA 8260B	ND	ug/L	25	NAC	12/04/2008 / 12:26	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,1-Dichloroethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Vinyl Acetate	EPA 8260B	ND	ug/L	50	NAC	12/04/2008 / 12:26	
2-Butanone-(MEK)	EPA 8260B	ND	ug/L	25	NAC	12/04/2008 / 12:26	
2,2-Dichloropropane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Chloroform	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Bromochloromethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,1-Dichloropropene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Carbon Tetrachloride	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Benzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,2-Dichloroethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Trichloroethylene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,2-Dichloropropane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/L	25	NAC	12/04/2008 / 12:26	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/L	25	NAC	12/04/2008 / 12:26	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Toluene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Bromodichloromethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Dibromomethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,2-Dibromoethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
2-Hexanone	EPA 8260B	ND	ug/L	25	NAC	12/04/2008 / 12:26	
1,3-Dichloropropane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Tetrachloroethylene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Dibromochloromethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Chlorobenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected PQL= Practical Quantitation Limit

Sample: 005 GW-1
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Ethylbenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
M&P-Xylene	EPA 8260B	ND	ug/L	10	NAC	12/04/2008 / 12:26	
O-Xylene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Styrene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Bromoform	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Isopropylbenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
n-Propylbenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Bromobenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
2-Chlorotoluene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
4-Chlorotoluene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
tert-Butylbenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
sec-Butylbenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
4-Isopropyltoluene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
n-Butylbenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Hexachlorobutadiene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
Naphthalene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/L	5.0	NAC	12/04/2008 / 12:26	
DIBROMOFLUOROMETHANE (SURR)		119	%		NAC	12/04/2008 / 12:26	
TOLUENE-D8 (SURROGATE)		102	%		NAC	12/04/2008 / 12:26	
4-BROMOFLUOROBENZENE (SURR)		90.8	%		NAC	12/04/2008 / 12:26	

Sample: 006 GW-1

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 006 GW-1
(Continued)

Collection Date: 12/02/2008 **Time:** 12:30:00PM **Received Date:** 12/03/2008 **Time:** 9:30:00AM
Matrix: WATER

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
B/NA Extractables EPA 8270							
N-Nitrosodimethylamine	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Aniline	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Phenol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2-Chlorophenol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Benzyl Alcohol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2-Methyl Phenol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Hexachloroethane	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
3&4-Methyl Phenol	EPA 8270C	ND	ug/L	13	TLL	12/08/2008 / 10:50	
Nitrobenzene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Isophorone	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2-Nitrophenol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2,4-Dimethylphenol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2,4-Dichlorophenol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Benzoic Acid	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Naphthalene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
4-Chloroaniline	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Hexachlorobutadiene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2-Methylnaphthalene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/L	13	TLL	12/08/2008 / 10:50	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2-Chloronaphthalene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected **PQL= Practical Quantitation Limit**

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 006 GW-1
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
2-Nitroaniline	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Acenaphthylene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Dimethyl Phthalate	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Acenaphthene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
3-Nitroaniline	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2,4-Dinitrophenol	EPA 8270C	ND	ug/L	27	TLL	12/08/2008 / 10:50	
Dibenzofuran	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
4-Nitrophenol	EPA 8270C	ND	ug/L	27	TLL	12/08/2008 / 10:50	
Fluorene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Diethyl Phthalate	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
4-Nitroaniline	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/L	27	TLL	12/08/2008 / 10:50	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Hexachlorobenzene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Pentachlorophenol	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Phenanthrene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Anthracene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Carbazole	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Di-n-butylphthalate	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Fluoranthene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Benzidine	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Pyrene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Benzo(a)anthracene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Chrysene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Di-n-octyl phthalate	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Indeno (1,2,3-cd)Pyrene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Benzo(b)fluoranthene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected PQL= Practical Quantitation Limit

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: 006 GW-1
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Benzo(k)fluoranthene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Benzo(a)pyrene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Dibenzo(a,h)Anthracene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
Benzo (g,h,i) perylene	EPA 8270C	ND	ug/L	6.7	TLL	12/08/2008 / 10:50	
2-FLUOROPHENOL (SURR)		32.0	%		TLL	12/08/2008 / 10:50	
PHENOL-D5 (SURR)		23.8	%		TLL	12/08/2008 / 10:50	
NITROBENZENE-D5 (SURR)		83.3	%		TLL	12/08/2008 / 10:50	
2-FLUOROBIPHENYL (SURR)		74.2	%		TLL	12/08/2008 / 10:50	
2,4,6-TRIBROMOPHENOL (SURR)		70.0	%		TLL	12/08/2008 / 10:50	
TERPHENYL-D14 (SURR)		85.2	%		TLL	12/08/2008 / 10:50	

Sample: 007 GW-1
Collection Date: 12/02/2008 Time: 1:15:00PM **Received Date: 12/03/2008 Time: 9:30:00AM**
Matrix: WATER

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Pesticides-Water							
alpha-BHC	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
gamma-BHC (Lindane)	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
beta-BHC	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Aldrin	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Heptachlor	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
delta-BHC	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Heptachlor Epoxide	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Endosulfan I	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
4,4'-DDE	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Dieldrin	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Endrin	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
4,4'-DDD	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Endosulfan II	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Endrin Aldehyde	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
4,4'-DDT	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Endosulfan Sulfate	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Methoxychlor	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected PQL= Practical Quantitation Limit

Sample: 007 GW-1
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Endrin Ketone	EPA 8081A	ND	ug/L	0.067	NAC	12/08/2008 / 23:00	
Chlordane	EPA 8081A	ND	ug/L	1.33	NAC	12/08/2008 / 23:00	
Toxaphene	EPA 8081A	ND	ug/L	1.33	NAC	12/08/2008 / 23:00	
TCMX (SURROGATE)		58.4	%		NAC	12/08/2008 / 23:00	
DCB (SURROGATE)		67.1	%		NAC	12/08/2008 / 23:00	
PCB-WATER							
PCB-1016	EPA 8082	ND	ug/L	1.33	NAC	12/10/2008 / :17	
PCB-1221	EPA 8082	ND	ug/L	1.33	NAC	12/10/2008 / :17	
PCB-1232	EPA 8082	ND	ug/L	1.33	NAC	12/10/2008 / :17	
PCB-1242	EPA 8082	ND	ug/L	1.33	NAC	12/10/2008 / :17	
PCB-1248	EPA 8082	ND	ug/L	1.33	NAC	12/10/2008 / :17	
PCB-1254	EPA 8082	ND	ug/L	1.33	NAC	12/10/2008 / :17	
PCB-1260	EPA 8082	ND	ug/L	1.33	NAC	12/10/2008 / :17	
PCB-1262	EPA 8082	ND	ug/L	1.33	NAC	12/10/2008 / :17	
TCMX (SURROGATE)		90.1	%		NAC	12/10/2008 / :17	
DCB (SURROGATE)		71.5	%		NAC	12/10/2008 / :17	
Pesticide Water Extraction		0.750	L		DQT	12/05/2008 / 9:59	
PCB WATER EXTRACTION		0.750			DQT	12/05/2008 / 9:59	

Sample: 008 GW-1
Collection Date: 12/02/2008 Time: 2:40:00PM **Received Date: 12/03/2008 Time: 9:30:00AM**
Matrix: WATER

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Target Analyte List Metals							
Aluminum	200.7, EPA 1987	206	mg/L	0.150	TDJ	12/11/2008 / 12:57	
Antimony	200.7, EPA 1987	ND	mg/L	0.500	TDJ	12/11/2008 / 16:09	RL7
Barium	200.7, EPA 1987	3.54	mg/L	0.0500	TDJ	12/11/2008 / 16:09	
Arsenic	200.7, EPA 1987	ND	mg/L	0.250	TDJ	12/11/2008 / 16:09	RL7
Beryllium	200.7, EPA 1987	0.034	mg/L	0.0125	TDJ	12/11/2008 / 16:09	
Cadmium	200.7, EPA 1987	0.0419	mg/L	0.00110	TDJ	12/11/2008 / 12:57	
Chromium	200.7, EPA 1987	0.712	mg/L	0.0300	TDJ	12/11/2008 / 16:09	
Calcium	200.7, EPA 1987	254	mg/L	0.500	TDJ	12/11/2008 / 12:57	
Copper	200.7, EPA 1987	3.69	mg/L	0.0250	TDJ	12/11/2008 / 16:09	

AMERI SCI

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 0812-00036

Sample: **008 GW-1**
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Cobalt	200.7, EPA 1987	0.704	mg/L	0.0500	TDJ	12/11/2008 / 12:57	
Iron	200.7, EPA 1987	650	mg/L	0.500	TDJ	12/11/2008 / 16:09	
Magnesium	200.7, EPA 1987	152	mg/L	0.500	TDJ	12/11/2008 / 12:57	
Lead	200.7, EPA 1987	5.64	mg/L	0.0500	TDJ	12/11/2008 / 16:09	
Manganese	200.7, EPA 1987	10.3	mg/L	0.00700	TDJ	12/11/2008 / 12:57	
Mercury	EPA 245.2	0.00173	mg/L	0.000200	TDJ	12/05/2008 / 17:28	
Nickel	200.7, EPA 1987	0.869	mg/L	0.0400	TDJ	12/11/2008 / 12:57	
Potassium	200.7, EPA 1987	98.6	mg/L	0.500	TDJ	12/11/2008 / 12:57	
Sodium	200.7, EPA 1987	89.6	mg/L	2.00	TDJ	12/11/2008 / 12:57	
Silver	200.7, EPA 1987	ND	mg/L	0.0250	TDJ	12/11/2008 / 16:09	RL7
Selenium	200.7, EPA 1987	ND	mg/L	0.100	TDJ	12/11/2008 / 16:09	RL7
Zinc	200.7, EPA 1987	1.74	mg/L	0.0500	TDJ	12/11/2008 / 12:57	
Thallium	200.7, EPA 1987	ND	mg/L	0.200	TDJ	12/11/2008 / 16:09	RL7
Vanadium	200.7, EPA 1987	1.05	mg/L	0.250	TDJ	12/11/2008 / 16:09	

GX	Due to sample matrix effects, the surrogate recovery was outside acceptance limits.
I	Internal Standard recovery was outside of method limits. Matrix interference was confirmed by reanalysis.
RL3	Reporting limit raised due to high concentrations of non-target analytes.
RL7	Sample required a dilution due to high concentrations of target analytes.

To the best of my knowledge this report is true and accurate.

Authorized By: Jason Hebert for

Nicole Cortese, Laboratory Director

Date: 12/11/08

NOTE: All solid results are reported on a dry weight basis unless otherwise noted.

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected **PQL= Practical Quantitation Limit**

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AMERISCI JOB NO: 0812-036

PAGE 1 OF 2

DUE DATE: ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒ 7 DAY ☐ 10 DAY

TEMP UPON RECEIPT: 2.6 °C

DATA PACKAGE: email

P.O.#

COMPANY: Ethan C. Eldon Associates

ADDRESS: 1350 Broadway-Suite 612 NY NY 10018

PHONE: 2129672753 FAX 1: 2129672747 FAX 2:

CLIENT CONTACT: A. JANELLI EMAIL: eceaalex@aol.com

PROJECT NAME: 122 ~~W~~ 32 ST PROJECT NUMBER: PROJECT STATE: NY

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER

CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	SAMPLING INFORMATION TIME	SAMPLING INFORMATION TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE PH AT LOGIN	VOC	SVOC	PCB	PESTICIDES	TAL METAL		Notes:
1	SB-1 0-5'	S	8oz	G	1	12/2	10:30	AJ	G				X	X	X	X		
2	SB-1 0-5'	S	2oz	G	1	12/2	10:30	AJ	G			X						
3	SB-1 5-10'	S	8oz	G	1	12/2	10:40	AJ	G				X	X	X	X		
4	SB-1 5-10'	S	2oz	G	1	12/2	10:40	AJ	G			X						
5	SB-2 0-5'	S	8	G	1	12/2	11:15	AJ					X	X	X	X		
6	SB-2 0-5'	S	2	G	1	12/2	11:15	AJ				X						
7	SB-2 15-20	S	8	G	1	12/2	11:30	AJ					X	X	X	X		
8	SB-2 15-20	S	2	G	1	12/2	11:30	AJ				X						

SAMPLED BY: (PRINT) Alexandra Janelli	DATE:	RECEIVED BY: (PRINT) Jose Rodriguez	DATE: 12/2
(SIGN)	TIME: 2:30	(SIGN)	TIME: 1550
RELINQUISHED BY: (PRINT)	DATE: 12/2/08	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME: 1740	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY: (PRINT) MARIA PONTA	DATE: 12/3/08
(SIGN)	TIME:	(SIGN)	TIME: 9:30

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AMERISCI JOB NO: 0812-036

PAGE 2 OF 2

DUE DATE: ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒ 7 DAY ☐ 10 DAY

TEMP UPON RECEIPT: 2.6°C

DATA PACKAGE: Email

P.O.#

COMPANY: Ethan C. Eldon Associates

ADDRESS: 1350 BROADWAY - SUITE 612 NYC, NY 10018

PHONE: 212 967 2753 FAX 1: 212 967 2747 FAX 2:

CLIENT CONTACT: Alex Janelli EMAIL: eceaalex@aol.com

PROJECT NAME: 122 E 32 ST PROJECT NUMBER: PROJECT STATE: NY

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER

CONTAINER: P-PLASTIC G-GLASS V-VOA

	LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	TIME	TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE PH AT LOGIN	VOC	PCB/PEST	SVOC	TAL METAL FILTERED	TAL METAL UNFILTERED	Please Filter in Lab. Notes:
5	9	GW-1	A		V	2	12/2	12:15	AJ	G	HCL	—	X					
6	10	GW-1	A	1-L	G	1	12/2	12:30	AJ	G	ICE	7			X			
7	11	GW-1	A	1-L	G	1	12/2	1:15	AJ	G	ICE	7		X				
8	12	GW-1	A	1-L	G	1	12/2	2:40	AJ	G	ICE	7				X	X	

SAMPLED BY: (PRINT) Alexandra Janelli	DATE: 12/2/08	RECEIVED BY: (PRINT) Joseph Dribner	DATE: 12/2
(SIGN)	TIME: 3:30	(SIGN)	TIME: 1550
RELINQUISHED BY: (PRINT)	DATE: 12/2/08	RECEIVED BY: (PRINT)	DATE:
(SIGN) Peter Chu	TIME: 1740	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY: (PRINT) MARK PONTA	DATE: 12/3/08
(SIGN)	TIME:	(SIGN)	TIME: 9:30

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12/2/07	10PM	8570	63218 7	1	5256

2 FROM (Your Name) Phone (800) 705-5227

Company: AMERI SCI

Street Address: 117 EAST 30TH STREET Room/Floor

City: NEW YORK State: NY Zip Code: 10016

3 Shipper Billing Reference

4 TO (Recipient's Name) Phone (888) 724-522

Company: AMERI SCI

Exact Street Address: 8 SCHOOL STREET Room/Floor

City: WEYMOUTH State: MA Zip Code: 02189

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- ☐ Sunday/Holiday Service
- ☐ Early AM by _____ AM (Must call for prior arrangements)

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Routing Code: BED

44157329

PACKAGE COPY

ORDER FROM CSM GROUP, INC. 508-543-4010

AmeriSci Boston **SCI-SOP-1003**

Sample Receiving Form

CLIENT: Ethan C. Feldon	WORKORDER: 0812-036
CLIENTS JOB: 12232 ST.	RECEIVED BY: MP
RECEIVED DATE: 12/3/08	SHIPPING METHOD: E.C.
TEMP UPON RECEIPT: 2.6°C	

"No" responses must be explained in the comment section below.

Checklist	YES	NO	NA
Were custody seals on shipping container(s) intact? Check "NA" if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms included with the samples?	X		
Were Chain of Custody Forms properly filled out (ink, signed, etc.)	X		
Were all containers received in good condition (Check for breakage/ leaks)?	X		
Were all containers labeled with required information (Sample Id, date, signed, analysis, preservation)?	X		
Were the correct containers used for the tests indicated?	X		
Were proper preservation techniques indicated? See Below	X	X	
Were samples received within holding times? If "NO" nonconformance form is required.	X		
Were all VOA bottles checked for the presence of air bubbles? If bubbles were found please note in the comment section.	X		
Were samples in direct contact with wet ice? If "NO" check one: ☐ Blue Ice ☐ No Ice	X		
Is sample temperature recorded ? If "NO" check one: ☐ Unable to record ☐ Temp taken near samples	X		
Were pHs of samples checked and recorded on the COC forms?	X		
Did the laboratory accept samples?	X		
Will samples be subcontracted? If "yes" list subcontractor and tests in specified sections below.		X	
Subcontractor:	Date Sent Out:		
Analyses Sent:			

Login Technician: MP	Login Review:
Comments:	
TOTAL + DISSOLVED METALS RECEIVED IN UNPRES.	
AMBER LITER; INSUFFICIENT VOLUME TO PERFORM DISSOLVED	
METALS. TOTAL METALS LAB PRES. W/ HNO3	

Please Reply To:

AmeriSci Boston
Eight School Street
Weymouth, MA 02189
TEL:(781)337-9334 FAX:(781)337-7642

To: Ms. Alexandra Janelli
Ethan C. Eldon Associates, Inc

AmeriSci Job# 1003-00188
Subject: 122 EAST 32ND ST.

Fax # 212-967-2747

Email: ECEAALEX@AOL.COM

Date: Tuesday, April 06, 2010

Time: 6:09:44PM

Comments: This report contains a total of 43 pages, including the cover sheet, laboratory report, chain of custody, airbill, sample receiving form, and any other correspondence related to this work order.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for the use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via US Postal Service at our expense. Preliminary data reported here will be verified before final report is issued. Samples are disposed of in 60 days unless otherwise instructed by the protocol or special instructions in writing. Thank you.

AmeriSci Boston
Eight School Street
Weymouth, MA 02189
781-337-9334

Laboratory Report

Report Date 04/06/2010
Workorder No. 1003-00188

Customer: Ethan C. Eldon Associates, Inc
1350 Broadway
Suite 612
New York, NY 10018

Attention: Ms. Alexandra Janelli

Subject: 122 EAST 32ND ST.

Sample: 001 SB-1 25-27'
Collection Date: 03/24/2010 Time: 11:00:00AM **Received Date: 03/25/2010 Time: 9:45:00AM**
Matrix: SOIL

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Soil/Solid/Oil							
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Chloromethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Bromomethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Chloroethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Acrolein	EPA 8260B	ND	ug/Kg	82	NAC	03/29/2010 / 13:44	
Acetone	EPA 8260B	ND	ug/Kg	41	NAC	03/29/2010 / 13:44	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Iodomethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Carbon Disulfide	EPA 8260B	ND	ug/Kg	16	NAC	03/29/2010 / 13:44	
Methylene Chloride	EPA 8260B	ND	ug/Kg	33	NAC	03/29/2010 / 13:44	
Acrylonitrile	EPA 8260B	ND	ug/Kg	41	NAC	03/29/2010 / 13:44	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	41	NAC	03/29/2010 / 13:44	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	41	NAC	03/29/2010 / 13:44	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Chloroform	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Bromochloromethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected **PQL= Practical Quantitation Limit**

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 001 SB-1 25-27'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Benzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Trichloroethylene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	41	NAC	03/29/2010 / 13:44	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	41	NAC	03/29/2010 / 13:44	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Toluene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Bromodichloromethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Dibromomethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
2-Hexanone	EPA 8260B	ND	ug/Kg	41	NAC	03/29/2010 / 13:44	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Dibromochloromethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Chlorobenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Ethylbenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
M & P XYLENE	EPA 8260B	ND	ug/Kg	16	NAC	03/29/2010 / 13:44	
O-XYLENE	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Styrene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Bromoform	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
n-Propylbenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Bromobenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 001 SB-1 25-27'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
n-Butylbenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
Naphthalene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	8.2	NAC	03/29/2010 / 13:44	
DIBROMOFLUOROMETHANE (SURR)		106	%		NAC	03/29/2010 / 13:44	
TOLUENE-D8 (SURROGATE)		105	%		NAC	03/29/2010 / 13:44	
4-BROMOFLUOROBENZENE (SURR)		104	%		NAC	03/29/2010 / 13:44	
B/NA Extractables Soil							
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Phenol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Benzyl Alcohol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Hexachloroethane	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	360	TLL	03/31/2010 / 13:53	
Nitrobenzene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Isophorone	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2-Nitrophenol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 001 SB-1 25-27'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Naphthalene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
4-Chloroaniline	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2-Methyl Naphthalene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2-Chloronaphthalene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Acenaphthylene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Dimethyl Phthalate	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Acenaphthene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
3-Nitroaniline	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	720	TLL	03/31/2010 / 13:53	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Dibenzofuran	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
4-Nitrophenol	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Fluorene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	360	TLL	03/31/2010 / 13:53	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Pentachlorophenol	EPA 8270C	ND	ug/Kg	720	TLL	03/31/2010 / 13:53	
Phenanthrene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Anthracene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Carbazole	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 001 SB-1 25-27'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Fluoranthene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Benzidine	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Pyrene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Benzo(a)anthracene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Chrysene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Di-n-octyl phthalate	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Indeno (1,2,3-cd)Pyrene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Benzo(b)fluoranthene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Benzo(k)fluoranthene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Benzo(a)pyrene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Dibenzo(a,h)Anthracene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
Benzo (g,h,i) perylene	EPA 8270C	ND	ug/Kg	180	TLL	03/31/2010 / 13:53	
2-FLUOROPHENOL (SURR)		82.5	%		TLL	03/31/2010 / 13:53	
PHENOL-D5 (SURR)		84.1	%		TLL	03/31/2010 / 13:53	
NITROBENZENE-D5 (SURR)		69.0	%		TLL	03/31/2010 / 13:53	
2-FLUOROBIPHENYL (SURR)		74.9	%		TLL	03/31/2010 / 13:53	
2,4,6-TRIBROMOPHENOL (SURR)		18.1	%		TLL	03/31/2010 / 13:53	
TERPHENYL-D14 (SURR)		75.8	%		TLL	03/31/2010 / 13:53	
Pesticides-Soil/Solid							
alpha-BHC	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
beta-BHC	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
gamma-BHC (Lindane)	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
delta-BHC	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Heptachlor	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Heptachlor Epoxide	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Aldrin	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Dieldrin	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Endrin	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
4,4'-DDD	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
4,4'-DDE	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	

Sample: 001 SB-1 25-27'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
4,4'-DDT	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Endosulfan I	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Endosulfan II	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Endosulfan Sulfate	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Endrin Aldehyde	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Methoxychlor	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Endrin Ketone	EPA 8081A	ND	ug/Kg	1.8	TLL	04/05/2010 / 13:00	
Chlordane	EPA 8081A	ND	ug/Kg	35.3	TLL	04/05/2010 / 13:00	
Toxaphene	EPA 8081A	ND	ug/Kg	35.3	TLL	04/05/2010 / 13:00	
TCMX (SURROGATE)		63.6	%		TLL	04/05/2010 / 13:00	
DCB (SURROGATE)		81.9	%		TLL	04/05/2010 / 13:00	
PCB-SOIL/SOLID							
PCB-1016	EPA 8082	ND	ug/Kg	35.3	TLL	03/30/2010 / 10:24	
PCB-1221	EPA 8082	ND	ug/Kg	35.3	TLL	03/30/2010 / 10:24	
PCB-1232	EPA 8082	ND	ug/Kg	35.3	TLL	03/30/2010 / 10:24	
PCB-1242	EPA 8082	ND	ug/Kg	35.3	TLL	03/30/2010 / 10:24	
PCB-1248	EPA 8082	ND	ug/Kg	35.3	TLL	03/30/2010 / 10:24	
PCB-1254	EPA 8082	ND	ug/Kg	35.3	TLL	03/30/2010 / 10:24	
PCB-1260	EPA 8082	ND	ug/Kg	35.3	TLL	03/30/2010 / 10:24	
PCB-1262	EPA 8082	ND	ug/Kg	35.3	TLL	03/30/2010 / 10:24	
PCB-1268	EPA 8082	ND	ug/Kg	35.3	TLL	03/30/2010 / 10:24	
TCMX (SURROGATE)		75.1	%		TLL	03/30/2010 / 10:24	
DCB (SURROGATE)		70.9	%		TLL	03/30/2010 / 10:24	
TAL Metals-Soil/Solid							
Antimony	6010B, SW-846	ND	mg/Kg	8.09	TDJ	04/06/2010 / 11:52	RL7
Aluminum	6010B, SW-846	6260	mg/Kg	20.0	TDJ	04/05/2010 / 11:31	
Arsenic	6010B, SW-846	ND	mg/Kg	10.0	TDJ	04/06/2010 / 16:48	RL3
Barium	6010B, SW-846	62.8	mg/Kg	3.0	TDJ	04/05/2010 / 11:31	
Beryllium	6010B, SW-846	ND	mg/Kg	0.300	TDJ	04/05/2010 / 11:31	
Cadmium	6010B, SW-846	ND	mg/Kg	0.300	TDJ	04/05/2010 / 11:31	
Chromium	6010B, SW-846	16.5	mg/Kg	1.00	TDJ	04/05/2010 / 11:31	
Calcium	6010B, SW-846	1620	mg/Kg	150	TDJ	04/05/2010 / 11:31	
Iron	6010B, SW-846	12100	mg/Kg	10.0	TDJ	04/05/2010 / 11:31	
Cobalt	6010B, SW-846	6.78	mg/Kg	6.01	TDJ	04/05/2010 / 11:31	

Customer: Ethan C. Eldon Associates, Inc

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Sample: 001 SB-1 25-27'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Copper	6010B, SW-846	70.0	mg/Kg	5.01	TDJ	04/05/2010 / 11:31	
Lead	6010B, SW-846	5.36	mg/Kg	3.00	TDJ	04/05/2010 / 11:31	
Magnesium	6010B, SW-846	3600	mg/Kg	120	TDJ	04/05/2010 / 11:31	
Manganese	6010B, SW-846	126	mg/Kg	1.50	TDJ	04/05/2010 / 11:31	
Mercury	SW-846; 7471A	ND	mg/Kg	0.0366	TDJ	04/01/2010 / 15:01	
Nickel	6010B, SW-846	16.4	mg/Kg	4.01	TDJ	04/05/2010 / 11:31	
Vanadium	6010B, SW-846	21.0	mg/Kg	10.0	TDJ	04/06/2010 / 11:52	
Selenium	6010B, SW-846	ND	mg/Kg	9.21	TDJ	04/06/2010 / 11:52	RL7
Potassium	6010B, SW-846	2900	mg/Kg	150	TDJ	04/05/2010 / 11:31	
Silver	6010B, SW-846	ND	mg/Kg	0.50	TDJ	04/05/2010 / 11:31	
Sodium	6010B, SW-846	483	mg/Kg	150	TDJ	04/05/2010 / 11:31	
Thallium	6010B, SW-846	ND	mg/Kg	4.01	TDJ	04/06/2010 / 16:48	RL3
Zinc	6010B, SW-846	33.9	mg/Kg	5.01	TDJ	04/05/2010 / 11:31	
Percent Solids	SM 2540G	91.6	%		PJS	03/26/2010 / 15:54	
Flame/ICP Solid Digestion	EPA 3050B	91.7431			PJS	03/25/2010 / 14:16	

Sample: 002 SB-1 30-32'
Collection Date: 03/24/2010 Time: 2:00:00PM **Received Date: 03/25/2010 Time: 9:45:00AM**
Matrix: SOIL

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Soil/Solid/Oil							
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Chloromethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Bromomethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Chloroethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Acrolein	EPA 8260B	ND	ug/Kg	99	NAC	03/29/2010 / 14:16	
Acetone	EPA 8260B	ND	ug/Kg	49	NAC	03/29/2010 / 14:16	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Iodomethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Carbon Disulfide	EPA 8260B	ND	ug/Kg	20	NAC	03/29/2010 / 14:16	

Customer: Ethan C. Eldon Associates, Inc

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Sample: 002 SB-1 30-32'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Methylene Chloride	EPA 8260B	ND	ug/Kg	40	NAC	03/29/2010 / 14:16	
Acrylonitrile	EPA 8260B	ND	ug/Kg	49	NAC	03/29/2010 / 14:16	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	49	NAC	03/29/2010 / 14:16	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	49	NAC	03/29/2010 / 14:16	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Chloroform	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Bromochloromethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Benzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Trichloroethylene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	49	NAC	03/29/2010 / 14:16	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	49	NAC	03/29/2010 / 14:16	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Toluene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Bromodichloromethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Dibromomethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
2-Hexanone	EPA 8260B	ND	ug/Kg	49	NAC	03/29/2010 / 14:16	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Dibromochloromethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Chlorobenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Ethylbenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	

Customer: Ethan C. Eldon Associates, Inc

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Sample: 002 SB-1 30-32'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
M & P XYLENE	EPA 8260B	ND	ug/Kg	20	NAC	03/29/2010 / 14:16	
O-XYLENE	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Styrene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Bromoform	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
n-Propylbenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Bromobenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
n-Butylbenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
Naphthalene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	9.9	NAC	03/29/2010 / 14:16	
DIBROMOFLUOROMETHANE (SURR)		106	%		NAC	03/29/2010 / 14:16	
TOLUENE-D8 (SURROGATE)		105	%		NAC	03/29/2010 / 14:16	
4-BROMOFLUOROBENZENE (SURR)		105	%		NAC	03/29/2010 / 14:16	
B/NA Extractables Soil							
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Phenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 002 SB-1 30-32'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Benzyl Alcohol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Hexachloroethane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	380	TLL	03/31/2010 / 14:31	
Nitrobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Isophorone	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
4-Chloroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2-Methyl Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2-Chloronaphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Acenaphthylene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Dimethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Acenaphthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
3-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	760	TLL	03/31/2010 / 14:31	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Dibenzofuran	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	

Customer: Ethan C. Eldon Associates, Inc

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Sample: 002 SB-1 30-32'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
4-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Fluorene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	380	TLL	03/31/2010 / 14:31	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Pentachlorophenol	EPA 8270C	ND	ug/Kg	760	TLL	03/31/2010 / 14:31	
Phenanthrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Carbazole	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Benzidine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Benzo(a)anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Chrysene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Di-n-octyl phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Indeno (1,2,3-cd)Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Benzo(b)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Benzo(k)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Benzo(a)pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Dibenzo(a,h)Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
Benzo (g,h,i) perylene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 14:31	
2-FLUOROPHENOL (SURR)		73.0	%		TLL	03/31/2010 / 14:31	
PHENOL-D5 (SURR)		73.4	%		TLL	03/31/2010 / 14:31	
NITROBENZENE-D5 (SURR)		84.2	%		TLL	03/31/2010 / 14:31	
2-FLUOROBIPHENYL (SURR)		77.9	%		TLL	03/31/2010 / 14:31	
2,4,6-TRIBROMOPHENOL (SURR)		28.5	%		TLL	03/31/2010 / 14:31	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 002 SB-1 30-32'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
TERPHENYL-D14 (SURR)		81.7	%		TLL	03/31/2010 / 14:31	
Pesticides-Soil/Solid							
alpha-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
beta-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
gamma-BHC (Lindane)	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
delta-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Heptachlor	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Heptachlor Epoxide	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Aldrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Dieldrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
4,4'-DDD	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
4,4'-DDE	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
4,4'-DDT	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endosulfan I	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endosulfan II	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endosulfan Sulfate	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endrin Aldehyde	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Methoxychlor	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endrin Ketone	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Chlordane	EPA 8081A	ND	ug/Kg	37.8	TLL	04/05/2010 / 9:20	
Toxaphene	EPA 8081A	ND	ug/Kg	37.8	TLL	04/05/2010 / 9:20	
TCMX (SURROGATE)		70.9	%		TLL	04/05/2010 / 9:20	
DCB (SURROGATE)		86.4	%		TLL	04/05/2010 / 9:20	
PCB-SOIL/SOLID							
PCB-1016	EPA 8082	ND	ug/Kg	37.8	TLL	03/30/2010 / 10:24	
PCB-1221	EPA 8082	ND	ug/Kg	37.8	TLL	03/30/2010 / 10:24	
PCB-1232	EPA 8082	ND	ug/Kg	37.8	TLL	03/30/2010 / 10:24	
PCB-1242	EPA 8082	ND	ug/Kg	37.8	TLL	03/30/2010 / 10:24	
PCB-1248	EPA 8082	ND	ug/Kg	37.8	TLL	03/30/2010 / 10:24	
PCB-1254	EPA 8082	ND	ug/Kg	37.8	TLL	03/30/2010 / 10:24	
PCB-1260	EPA 8082	ND	ug/Kg	37.8	TLL	03/30/2010 / 10:24	
PCB-1262	EPA 8082	ND	ug/Kg	37.8	TLL	03/30/2010 / 10:24	
PCB-1268	EPA 8082	ND	ug/Kg	37.8	TLL	03/30/2010 / 10:24	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 002 SB-1 30-32'
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
TCMX (SURROGATE)		82.7	%		TLL	03/30/2010 / 10:24	
DCB (SURROGATE)		73.6	%		TLL	03/30/2010 / 10:24	
TAL Metals-Soil/Solid							
Antimony	6010B, SW-846	ND	mg/Kg	23.5	TDJ	04/05/2010 / 11:52	RL7
Aluminum	6010B, SW-846	21500	mg/Kg	23.3	TDJ	04/05/2010 / 11:31	
Arsenic	6010B, SW-846	ND	mg/Kg	58.3	TDJ	04/06/2010 / 16:48	RL3
Barium	6010B, SW-846	234	mg/Kg	3.5	TDJ	04/05/2010 / 11:31	
Beryllium	6010B, SW-846	0.724	mg/Kg	0.350	TDJ	04/05/2010 / 11:31	
Cadmium	6010B, SW-846	ND	mg/Kg	1.75	TDJ	04/05/2010 / 11:52	RL7
Chromium	6010B, SW-846	41.8	mg/Kg	1.17	TDJ	04/05/2010 / 11:31	
Calcium	6010B, SW-846	2410	mg/Kg	175	TDJ	04/05/2010 / 11:31	
Iron	6010B, SW-846	40600	mg/Kg	11.7	TDJ	04/05/2010 / 11:31	
Cobalt	6010B, SW-846	20.3	mg/Kg	6.99	TDJ	04/05/2010 / 11:31	
Copper	6010B, SW-846	89.9	mg/Kg	5.83	TDJ	04/05/2010 / 11:31	
Lead	6010B, SW-846	13.9	mg/Kg	3.50	TDJ	04/05/2010 / 11:31	
Magnesium	6010B, SW-846	12100	mg/Kg	140	TDJ	04/05/2010 / 11:31	
Manganese	6010B, SW-846	1070	mg/Kg	1.75	TDJ	04/05/2010 / 11:31	
Mercury	SW-846; 7471A	ND	mg/Kg	0.0395	TDJ	04/01/2010 / 15:01	
Nickel	6010B, SW-846	49.6	mg/Kg	4.66	TDJ	04/05/2010 / 11:31	
Vanadium	6010B, SW-846	67.0	mg/Kg	29.1	TDJ	04/05/2010 / 11:52	
Selenium	6010B, SW-846	ND	mg/Kg	26.8	TDJ	04/05/2010 / 11:52	RL7
Potassium	6010B, SW-846	12600	mg/Kg	175	TDJ	04/05/2010 / 11:31	
Silver	6010B, SW-846	0.615	mg/Kg	0.58	TDJ	04/05/2010 / 11:31	
Sodium	6010B, SW-846	498	mg/Kg	175	TDJ	04/05/2010 / 11:31	
Thallium	6010B, SW-846	14.1	mg/Kg	2.33	TDJ	04/05/2010 / 11:31	
Zinc	6010B, SW-846	104	mg/Kg	5.83	TDJ	04/05/2010 / 11:31	
Percent Solids	SM 2540G	85.8	%		PJS	03/26/2010 / 15:54	
Flame/ICP Solid Digestion	EPA 3050B	100.0000			PJS	03/25/2010 / 14:16	

Sample: 003 SB-2 23.5-25.5
Collection Date: 03/22/2010 Time: 11:00:00AM **Received Date: 03/25/2010 Time: 9:45:00AM**
Matrix: SOIL

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 003 SB-2 23.5-25.5
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Soil/Solid/Oil							
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Chloromethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Bromomethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Chloroethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Acrolein	EPA 8260B	ND	ug/Kg	100	NAC	03/29/2010 / 14:47	
Acetone	EPA 8260B	ND	ug/Kg	52	NAC	03/29/2010 / 14:47	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Iodomethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Carbon Disulfide	EPA 8260B	ND	ug/Kg	21	NAC	03/29/2010 / 14:47	
Methylene Chloride	EPA 8260B	ND	ug/Kg	42	NAC	03/29/2010 / 14:47	
Acrylonitrile	EPA 8260B	ND	ug/Kg	52	NAC	03/29/2010 / 14:47	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	52	NAC	03/29/2010 / 14:47	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	52	NAC	03/29/2010 / 14:47	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Chloroform	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Bromochloromethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Benzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Trichloroethylene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	52	NAC	03/29/2010 / 14:47	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	52	NAC	03/29/2010 / 14:47	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Toluene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 003 SB-2 23.5-25.5
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Bromodichloromethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Dibromomethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
2-Hexanone	EPA 8260B	ND	ug/Kg	52	NAC	03/29/2010 / 14:47	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Dibromochloromethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Chlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Ethylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
M & P XYLENE	EPA 8260B	ND	ug/Kg	21	NAC	03/29/2010 / 14:47	
O-XYLENE	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Styrene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Bromoform	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
n-Propylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Bromobenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
n-Butylbenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	

Sample: 003 SB-2 23.5-25.5
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
Naphthalene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	10	NAC	03/29/2010 / 14:47	
DIBROMOFLUOROMETHANE (SURR)		101	%		NAC	03/29/2010 / 14:47	
TOLUENE-D8 (SURROGATE)		106	%		NAC	03/29/2010 / 14:47	
4-BROMOFLUOROBENZENE (SURR)		109	%		NAC	03/29/2010 / 14:47	
B/NA Extractables Soil							
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Phenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Benzyl Alcohol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Hexachloroethane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	390	TLL	03/31/2010 / 15:10	
Nitrobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Isophorone	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
4-Chloroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2-Methyl Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 003 SB-2 23.5-25.5
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2-Chloronaphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Acenaphthylene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Dimethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Acenaphthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
3-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	770	TLL	03/31/2010 / 15:10	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Dibenzofuran	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
4-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Fluorene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	390	TLL	03/31/2010 / 15:10	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Pentachlorophenol	EPA 8270C	ND	ug/Kg	770	TLL	03/31/2010 / 15:10	
Phenanthrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Carbazole	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Benzidine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Benzo(a)anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Chrysene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	

Sample: 003 SB-2 23.5-25.5
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Di-n-octyl phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Indeno (1,2,3-cd)Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Benzo(b)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Benzo(k)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Benzo(a)pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Dibenzo(a,h)Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
Benzo (g,h,i) perylene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:10	
2-FLUOROPHENOL (SURR)		70.9	%		TLL	03/31/2010 / 15:10	
PHENOL-D5 (SURR)		71.4	%		TLL	03/31/2010 / 15:10	
NITROBENZENE-D5 (SURR)		69.6	%		TLL	03/31/2010 / 15:10	
2-FLUOROBIPHENYL (SURR)		78.3	%		TLL	03/31/2010 / 15:10	
2,4,6-TRIBROMOPHENOL (SURR)		26.5	%		TLL	03/31/2010 / 15:10	
TERPHENYL-D14 (SURR)		74.4	%		TLL	03/31/2010 / 15:10	
Pesticides-Soil/Solid							
alpha-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
beta-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
gamma-BHC (Lindane)	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
delta-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Heptachlor	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Heptachlor Epoxide	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Aldrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Dieldrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Endrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
4,4'-DDD	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
4,4'-DDE	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
4,4'-DDT	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Endosulfan I	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Endosulfan II	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Endosulfan Sulfate	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Endrin Aldehyde	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Methoxychlor	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Endrin Ketone	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 5:00	
Chlordane	EPA 8081A	ND	ug/Kg	38.7	TLL	04/05/2010 / 5:00	
Toxaphene	EPA 8081A	ND	ug/Kg	38.7	TLL	04/05/2010 / 5:00	

Sample: 003 SB-2 23.5-25.5
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
TCMX (SURROGATE)		66.2	%		TLL	04/05/2010 / 5:00	
DCB (SURROGATE)		82.5	%		TLL	04/05/2010 / 5:00	
PCB-SOIL/SOLID							
PCB-1016	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 14:00	
PCB-1221	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 14:00	
PCB-1232	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 14:00	
PCB-1242	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 14:00	
PCB-1248	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 14:00	
PCB-1254	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 14:00	
PCB-1260	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 14:00	
PCB-1262	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 14:00	
PCB-1268	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 14:00	
TCMX (SURROGATE)		91.4	%		TLL	03/30/2010 / 14:00	
DCB (SURROGATE)		84.1	%		TLL	03/30/2010 / 14:00	
TAL Metals-Soil/Solid							
Antimony	6010B, SW-846	ND	mg/Kg	23.1	TDJ	04/05/2010 / 11:52	RL7
Aluminum	6010B, SW-846	20100	mg/Kg	22.8	TDJ	04/05/2010 / 11:31	
Arsenic	6010B, SW-846	ND	mg/Kg	57.1	TDJ	04/06/2010 / 16:48	RL3
Barium	6010B, SW-846	162	mg/Kg	3.4	TDJ	04/05/2010 / 11:31	
Beryllium	6010B, SW-846	0.587	mg/Kg	0.343	TDJ	04/05/2010 / 11:31	
Cadmium	6010B, SW-846	ND	mg/Kg	1.71	TDJ	04/05/2010 / 11:52	RL7
Chromium	6010B, SW-846	35.3	mg/Kg	1.14	TDJ	04/05/2010 / 11:31	
Calcium	6010B, SW-846	1870	mg/Kg	171	TDJ	04/05/2010 / 11:31	
Iron	6010B, SW-846	40400	mg/Kg	11.4	TDJ	04/05/2010 / 11:31	
Cobalt	6010B, SW-846	17.5	mg/Kg	6.85	TDJ	04/05/2010 / 11:31	
Copper	6010B, SW-846	81.0	mg/Kg	5.71	TDJ	04/05/2010 / 11:31	
Lead	6010B, SW-846	23.6	mg/Kg	3.43	TDJ	04/05/2010 / 11:31	
Magnesium	6010B, SW-846	11100	mg/Kg	137	TDJ	04/05/2010 / 11:31	
Manganese	6010B, SW-846	246	mg/Kg	1.71	TDJ	04/05/2010 / 11:31	
Mercury	SW-846; 7471A	ND	mg/Kg	0.0396	TDJ	04/01/2010 / 15:01	
Nickel	6010B, SW-846	45.8	mg/Kg	4.57	TDJ	04/05/2010 / 11:31	
Vanadium	6010B, SW-846	50.1	mg/Kg	28.6	TDJ	04/05/2010 / 11:52	
Selenium	6010B, SW-846	ND	mg/Kg	26.3	TDJ	04/05/2010 / 11:52	RL7
Potassium	6010B, SW-846	10900	mg/Kg	171	TDJ	04/05/2010 / 11:31	

Customer: Ethan C. Eldon Associates, Inc

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Sample: 003 SB-2 23.5-25.5
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Silver	6010B, SW-846	ND	mg/Kg	0.57	TDJ	04/05/2010 / 11:31	
Sodium	6010B, SW-846	534	mg/Kg	171	TDJ	04/05/2010 / 11:31	
Thallium	6010B, SW-846	10.4	mg/Kg	2.28	TDJ	04/05/2010 / 11:31	
Zinc	6010B, SW-846	136	mg/Kg	5.71	TDJ	04/05/2010 / 11:31	
Percent Solids	SM 2540G	85.0	%		PJS	03/26/2010 / 15:54	
Flame/ICP Solid Digestion	EPA 3050B	97.0874			PJS	03/25/2010 / 14:16	

Sample: 004 SB-2 29-31
Collection Date: 03/22/2010 Time: 2:00:00PM **Received Date: 03/25/2010 Time: 9:45:00AM**
Matrix: SOIL

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Soil/Solid/Oil							
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Chloromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Bromomethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Chloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Acrolein	EPA 8260B	ND	ug/Kg	96	NAC	03/29/2010 / 15:19	
Acetone	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 15:19	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Iodomethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Carbon Disulfide	EPA 8260B	ND	ug/Kg	19	NAC	03/29/2010 / 15:19	
Methylene Chloride	EPA 8260B	ND	ug/Kg	39	NAC	03/29/2010 / 15:19	
Acrylonitrile	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 15:19	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 15:19	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 15:19	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 004 SB-2 29-31
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Chloroform	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Bromochloromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Benzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Trichloroethylene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 15:19	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 15:19	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Toluene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Bromodichloromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Dibromomethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
2-Hexanone	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 15:19	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Dibromochloromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Chlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Ethylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
M & P XYLENE	EPA 8260B	ND	ug/Kg	19	NAC	03/29/2010 / 15:19	
O-XYLENE	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Styrene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Bromoform	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
n-Propylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	

Sample: 004 SB-2 29-31
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Bromobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
n-Butylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
Naphthalene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 15:19	
DIBROMOFLUOROMETHANE (SURR)		111	%		NAC	03/29/2010 / 15:19	
TOLUENE-D8 (SURROGATE)		108	%		NAC	03/29/2010 / 15:19	
4-BROMOFLUOROBENZENE (SURR)		110	%		NAC	03/29/2010 / 15:19	
B/NA Extractables Soil							
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Phenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Benzyl Alcohol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Hexachloroethane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	380	TLL	03/31/2010 / 15:48	

Sample: 004 SB-2 29-31
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Nitrobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Isophorone	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
4-Chloroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2-Methyl Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2-Chloronaphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Acenaphthylene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Dimethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Acenaphthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
3-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	760	TLL	03/31/2010 / 15:48	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Dibenzofuran	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
4-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Fluorene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	380	TLL	03/31/2010 / 15:48	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	

Sample: 004 SB-2 29-31
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Pentachlorophenol	EPA 8270C	ND	ug/Kg	760	TLL	03/31/2010 / 15:48	
Phenanthrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Carbazole	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Benzidine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Benzo(a)anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Chrysene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Di-n-octyl phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Indeno (1,2,3-cd)Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Benzo(b)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Benzo(k)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Benzo(a)pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Dibenzo(a,h)Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
Benzo (g,h,i) perylene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 15:48	
2-FLUOROPHENOL (SURR)		76.3	%		TLL	03/31/2010 / 15:48	
PHENOL-D5 (SURR)		79.9	%		TLL	03/31/2010 / 15:48	
NITROBENZENE-D5 (SURR)		78.4	%		TLL	03/31/2010 / 15:48	
2-FLUOROBIPHENYL (SURR)		81.2	%		TLL	03/31/2010 / 15:48	
2,4,6-TRIBROMOPHENOL (SURR)		31.0	%		TLL	03/31/2010 / 15:48	
TERPHENYL-D14 (SURR)		81.0	%		TLL	03/31/2010 / 15:48	
Pesticides-Soil/Solid							
alpha-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
beta-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
gamma-BHC (Lindane)	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
delta-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Heptachlor	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Heptachlor Epoxide	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Aldrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	

Sample: 004 SB-2 29-31
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Dieldrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
4,4'-DDD	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
4,4'-DDE	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
4,4'-DDT	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endosulfan I	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endosulfan II	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endosulfan Sulfate	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endrin Aldehyde	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Methoxychlor	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Endrin Ketone	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 9:20	
Chlordane	EPA 8081A	ND	ug/Kg	38.7	TLL	04/05/2010 / 9:20	
Toxaphene	EPA 8081A	ND	ug/Kg	38.7	TLL	04/05/2010 / 9:20	
TCMX (SURROGATE)		68.7	%		TLL	04/05/2010 / 9:20	
DCB (SURROGATE)		86.2	%		TLL	04/05/2010 / 9:20	
PCB-SOIL/SOLID							
PCB-1016	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 10:24	
PCB-1221	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 10:24	
PCB-1232	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 10:24	
PCB-1242	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 10:24	
PCB-1248	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 10:24	
PCB-1254	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 10:24	
PCB-1260	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 10:24	
PCB-1262	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 10:24	
PCB-1268	EPA 8082	ND	ug/Kg	38.7	TLL	03/30/2010 / 10:24	
TCMX (SURROGATE)		95.6	%		TLL	03/30/2010 / 10:24	
DCB (SURROGATE)		105	%		TLL	03/30/2010 / 10:24	
TAL Metals-Soil/Solid							
Antimony	6010B, SW-846	ND	mg/Kg	43.2	TDJ	04/06/2010 / 11:52	RL7
Aluminum	6010B, SW-846	20000	mg/Kg	21.4	TDJ	04/05/2010 / 11:31	
Arsenic	6010B, SW-846	ND	mg/Kg	53.5	TDJ	04/06/2010 / 16:48	RL3
Barium	6010B, SW-846	178	mg/Kg	3.2	TDJ	04/05/2010 / 11:31	
Beryllium	6010B, SW-846	0.573	mg/Kg	0.321	TDJ	04/05/2010 / 11:31	
Cadmium	6010B, SW-846	ND	mg/Kg	1.60	TDJ	04/05/2010 / 11:52	RL7

Sample: 004 SB-2 29-31
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Chromium	6010B, SW-846	32.9	mg/Kg	1.07	TDJ	04/05/2010 / 11:31	
Calcium	6010B, SW-846	2010	mg/Kg	160	TDJ	04/05/2010 / 11:31	
Iron	6010B, SW-846	56000	mg/Kg	53.5	TDJ	04/05/2010 / 11:52	
Cobalt	6010B, SW-846	16.1	mg/Kg	6.42	TDJ	04/05/2010 / 11:31	
Copper	6010B, SW-846	61.1	mg/Kg	5.35	TDJ	04/05/2010 / 11:31	
Lead	6010B, SW-846	15.0	mg/Kg	3.21	TDJ	04/05/2010 / 11:31	
Magnesium	6010B, SW-846	11300	mg/Kg	128	TDJ	04/05/2010 / 11:31	
Manganese	6010B, SW-846	1690	mg/Kg	8.02	TDJ	04/05/2010 / 11:52	
Mercury	SW-846; 7471A	ND	mg/Kg	0.0387	TDJ	04/01/2010 / 15:01	
Nickel	6010B, SW-846	46.3	mg/Kg	4.28	TDJ	04/05/2010 / 11:31	
Vanadium	6010B, SW-846	42.9	mg/Kg	26.7	TDJ	04/05/2010 / 11:52	
Selenium	6010B, SW-846	ND	mg/Kg	24.6	TDJ	04/05/2010 / 11:52	RL7
Potassium	6010B, SW-846	11900	mg/Kg	160	TDJ	04/05/2010 / 11:31	
Silver	6010B, SW-846	0.771	mg/Kg	0.53	TDJ	04/05/2010 / 11:31	
Sodium	6010B, SW-846	533	mg/Kg	160	TDJ	04/05/2010 / 11:31	
Thallium	6010B, SW-846	17.7	mg/Kg	2.14	TDJ	04/05/2010 / 11:31	
Zinc	6010B, SW-846	107	mg/Kg	5.35	TDJ	04/05/2010 / 11:31	
Percent Solids	SM 2540G	85.8	%		PJS	03/26/2010 / 15:54	
Flame/ICP Solid Digestion	EPA 3050B	91.7431			PJS	03/25/2010 / 14:16	

Sample: 005 SB-3 25-27
Collection Date: 03/23/2010 Time: 11:00:00AM **Received Date: 03/25/2010 Time: 9:45:00AM**
Matrix: SOIL

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Soil/Solid/Oil							
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Chloromethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Bromomethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Chloroethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Acrolein	EPA 8260B	ND	ug/Kg	84	NAC	03/29/2010 / 15:51	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 005 SB-3 25-27
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Acetone	EPA 8260B	ND	ug/Kg	42	NAC	03/29/2010 / 15:51	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Iodomethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Carbon Disulfide	EPA 8260B	ND	ug/Kg	17	NAC	03/29/2010 / 15:51	
Methylene Chloride	EPA 8260B	ND	ug/Kg	34	NAC	03/29/2010 / 15:51	
Acrylonitrile	EPA 8260B	ND	ug/Kg	42	NAC	03/29/2010 / 15:51	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	42	NAC	03/29/2010 / 15:51	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	42	NAC	03/29/2010 / 15:51	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Chloroform	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Bromochloromethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Benzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Trichloroethylene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	42	NAC	03/29/2010 / 15:51	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	42	NAC	03/29/2010 / 15:51	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Toluene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Bromodichloromethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Dibromomethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
2-Hexanone	EPA 8260B	ND	ug/Kg	42	NAC	03/29/2010 / 15:51	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 005 SB-3 25-27
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Dibromochloromethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Chlorobenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Ethylbenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
M & P XYLENE	EPA 8260B	ND	ug/Kg	17	NAC	03/29/2010 / 15:51	
O-XYLENE	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Styrene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Bromoform	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
n-Propylbenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Bromobenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
n-Butylbenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
Naphthalene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	8.4	NAC	03/29/2010 / 15:51	
DIBROMOFLUOROMETHANE (SURR)		103	%		NAC	03/29/2010 / 15:51	
TOLUENE-D8 (SURROGATE)		109	%		NAC	03/29/2010 / 15:51	
4-BROMOFLUOROBENZENE (SURR)		108	%		NAC	03/29/2010 / 15:51	
B/NA Extractables Soil							

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 005 SB-3 25-27
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Phenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Benzyl Alcohol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Hexachloroethane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	380	TLL	03/31/2010 / 16:27	
Nitrobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Isophorone	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
4-Chloroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2-Methyl Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2-Chloronaphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Acenaphthylene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Dimethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Acenaphthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 005 SB-3 25-27
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
3-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	760	TLL	03/31/2010 / 16:27	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Dibenzofuran	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
4-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Fluorene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	380	TLL	03/31/2010 / 16:27	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Pentachlorophenol	EPA 8270C	ND	ug/Kg	760	TLL	03/31/2010 / 16:27	
Phenanthrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Carbazole	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Benzidine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Benzo(a)anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Chrysene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Di-n-octyl phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Indeno (1,2,3-cd)Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Benzo(b)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Benzo(k)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Benzo(a)pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Dibenzo(a,h)Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
Benzo (g,h,i) perylene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 16:27	
2-FLUOROPHENOL (SURR)		75.2	%		TLL	03/31/2010 / 16:27	

Sample: 005 SB-3 25-27
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
PHENOL-D5 (SURR)		75.2	%		TLL	03/31/2010 / 16:27	
NITROBENZENE-D5 (SURR)		72.1	%		TLL	03/31/2010 / 16:27	
2-FLUOROBIPHENYL (SURR)		76.3	%		TLL	03/31/2010 / 16:27	
2,4,6-TRIBROMOPHENOL (SURR)		33.2	%		TLL	03/31/2010 / 16:27	
TERPHENYL-D14 (SURR)		71.5	%		TLL	03/31/2010 / 16:27	
Pesticides-Soil/Solid							
alpha-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
beta-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
gamma-BHC (Lindane)	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
delta-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Heptachlor	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Heptachlor Epoxide	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Aldrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Dieldrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Endrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
4,4'-DDD	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
4,4'-DDE	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
4,4'-DDT	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Endosulfan I	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Endosulfan II	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Endosulfan Sulfate	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Endrin Aldehyde	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Methoxychlor	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Endrin Ketone	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 18:00	
Chlordane	EPA 8081A	ND	ug/Kg	38.2	TLL	04/05/2010 / 18:00	
Toxaphene	EPA 8081A	ND	ug/Kg	38.2	TLL	04/05/2010 / 18:00	
TCMX (SURROGATE)		63.8	%		TLL	04/05/2010 / 18:00	
DCB (SURROGATE)		77.5	%		TLL	04/05/2010 / 18:00	
PCB-SOIL/SOLID							
PCB-1016	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 10:24	
PCB-1221	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 10:24	
PCB-1232	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 10:24	
PCB-1242	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 10:24	
PCB-1248	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 10:24	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 005 SB-3 25-27
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
PCB-1254	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 10:24	
PCB-1260	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 10:24	
PCB-1262	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 10:24	
PCB-1268	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 10:24	
TCMX (SURROGATE)		78.0	%		TLL	03/30/2010 / 10:24	
DCB (SURROGATE)		89.8	%		TLL	03/30/2010 / 10:24	
TAL Metals-Soil/Solid							
Antimony	6010B, SW-846	ND	mg/Kg	44.2	TDJ	04/06/2010 / 11:52	RL7
Aluminum	6010B, SW-846	19500	mg/Kg	21.9	TDJ	04/05/2010 / 11:31	
Arsenic	6010B, SW-846	ND	mg/Kg	54.7	TDJ	04/06/2010 / 16:48	RL3
Barium	6010B, SW-846	175	mg/Kg	3.3	TDJ	04/05/2010 / 11:31	
Beryllium	6010B, SW-846	1.33	mg/Kg	0.328	TDJ	04/05/2010 / 11:31	
Cadmium	6010B, SW-846	ND	mg/Kg	1.64	TDJ	04/05/2010 / 11:52	RL7
Chromium	6010B, SW-846	34.1	mg/Kg	1.09	TDJ	04/05/2010 / 11:31	
Calcium	6010B, SW-846	1510	mg/Kg	164	TDJ	04/05/2010 / 11:31	
Iron	6010B, SW-846	59900	mg/Kg	54.7	TDJ	04/05/2010 / 11:52	
Cobalt	6010B, SW-846	39.5	mg/Kg	6.57	TDJ	04/05/2010 / 11:31	
Copper	6010B, SW-846	21.1	mg/Kg	5.47	TDJ	04/05/2010 / 11:31	
Lead	6010B, SW-846	31.3	mg/Kg	3.28	TDJ	04/05/2010 / 11:31	
Magnesium	6010B, SW-846	10500	mg/Kg	131	TDJ	04/05/2010 / 11:31	
Manganese	6010B, SW-846	432	mg/Kg	1.64	TDJ	04/05/2010 / 11:31	
Mercury	SW-846; 7471A	ND	mg/Kg	0.0389	TDJ	04/01/2010 / 15:01	
Nickel	6010B, SW-846	79.5	mg/Kg	4.38	TDJ	04/05/2010 / 11:31	
Vanadium	6010B, SW-846	48.3	mg/Kg	27.4	TDJ	04/05/2010 / 11:52	
Selenium	6010B, SW-846	ND	mg/Kg	25.2	TDJ	04/05/2010 / 11:52	RL7
Potassium	6010B, SW-846	11100	mg/Kg	164	TDJ	04/05/2010 / 11:31	
Silver	6010B, SW-846	0.598	mg/Kg	0.55	TDJ	04/05/2010 / 11:31	
Sodium	6010B, SW-846	436	mg/Kg	164	TDJ	04/05/2010 / 11:31	
Thallium	6010B, SW-846	12.1	mg/Kg	2.19	TDJ	04/05/2010 / 11:31	
Zinc	6010B, SW-846	134	mg/Kg	5.47	TDJ	04/05/2010 / 11:31	
Percent Solids	SM 2540G	87.0	%		PJS	03/26/2010 / 15:54	
Flame/ICP Solid Digestion	EPA 3050B	95.2381			PJS	03/25/2010 / 14:16	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 006 SB-3 30-32
Collection Date: 03/23/2010 Time: 2:00:00PM **Received Date: 03/25/2010 Time: 9:45:00AM**
Matrix: SOIL

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
VOC 8260-Soil/Solid/Oil							
Dichlorodifluoromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Vinyl Chloride	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Chloromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Bromomethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Chloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Trichlorofluoromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Acrolein	EPA 8260B	ND	ug/Kg	96	NAC	03/29/2010 / 16:22	
Acetone	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 16:22	
1,1-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Iodomethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Carbon Disulfide	EPA 8260B	ND	ug/Kg	19	NAC	03/29/2010 / 16:22	
Methylene Chloride	EPA 8260B	ND	ug/Kg	38	NAC	03/29/2010 / 16:22	
Acrylonitrile	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 16:22	
Methyl-Tert-Butyl-Ether	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
trans-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,1-Dichloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
2-Butanone-(MEK)	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 16:22	
Vinyl Acetate	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 16:22	
2,2-Dichloropropane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
cis-1,2-Dichloroethylene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Chloroform	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Bromochloromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,1,1-Trichloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,1-Dichloropropene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Carbon Tetrachloride	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Benzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,2-Dichloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Trichloroethylene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,2-Dichloropropane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
4-Methyl-2-Pentanone (MIBK)	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 16:22	
2-Chloroethyl vinyl ether	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 16:22	
cis-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 006 SB-3 30-32
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Toluene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
trans-1,3-Dichloropropene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Bromodichloromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Dibromomethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,1,2-Trichloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,2-Dibromoethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
2-Hexanone	EPA 8260B	ND	ug/Kg	48	NAC	03/29/2010 / 16:22	
1,3-Dichloropropane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Tetrachloroethylene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Dibromochloromethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Chlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,1,1,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Ethylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
M & P XYLENE	EPA 8260B	ND	ug/Kg	19	NAC	03/29/2010 / 16:22	
O-XYLENE	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Styrene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Bromoform	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Isopropylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,1,2,2-Tetrachloroethane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,2,3-Trichloropropane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
n-Propylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
trans-1,4-Dichloro-2-butene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Bromobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
2-Chlorotoluene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,3,5-Trimethylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
4-Chlorotoluene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
tert-Butylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,2,4-Trimethylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
sec-Butylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
4-Isopropyltoluene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,3-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,4-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
n-Butylbenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,2-Dichlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 006 SB-3 30-32
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
1,2-Dibromo-3-Chloropropane	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,2,4-Trichlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Hexachlorobutadiene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
Naphthalene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
1,2,3-Trichlorobenzene	EPA 8260B	ND	ug/Kg	9.6	NAC	03/29/2010 / 16:22	
DIBROMOFLUOROMETHANE (SURR)		104	%		NAC	03/29/2010 / 16:22	
TOLUENE-D8 (SURROGATE)		105	%		NAC	03/29/2010 / 16:22	
4-BROMOFLUOROBENZENE (SURR)		107	%		NAC	03/29/2010 / 16:22	
B/NA Extractables Soil							
bis(2-Chloroethyl)ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
N-Nitrosodimethylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Phenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2-Chlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
1,3-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
1,4-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
1,2-Dichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Benzyl Alcohol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2,2'-oxybis(1-Chloropropane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2-Methyl Phenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Hexachloroethane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
N-Nitroso-di-n-propylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
3&4-Methyl Phenol	EPA 8270C	ND	ug/Kg	390	TLL	03/31/2010 / 17:05	
Nitrobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Isophorone	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2,4-Dimethylphenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
bis(2-Chloroethoxy)methane	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2,4-Dichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
1,2,4-Trichlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
4-Chloroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Hexachlorobutadiene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
4-Chloro-3-methylphenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2-Methyl Naphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 006 SB-3 30-32
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Hexachlorocyclopentadiene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2,4,6-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2,4,5-Trichlorophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2-Chloronaphthalene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Acenaphthylene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Dimethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2,6-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Acenaphthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
3-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2,4-Dinitrophenol	EPA 8270C	ND	ug/Kg	770	TLL	03/31/2010 / 17:05	
2,4-Dinitrotoluene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Dibenzofuran	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
4-Nitrophenol	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Fluorene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
4-Chlorophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Diethyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
4-Nitroaniline	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2-Methyl-4,6-dinitrophenol	EPA 8270C	ND	ug/Kg	390	TLL	03/31/2010 / 17:05	
N-Nitrosodiphenylamine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
4-Bromophenyl Phenyl Ether	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Hexachlorobenzene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Pentachlorophenol	EPA 8270C	ND	ug/Kg	770	TLL	03/31/2010 / 17:05	
Phenanthrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Carbazole	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Di-n-butylphthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Benzidine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Butyl Benzyl Phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
3,3'-Dichlorobenzidine	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Benzo(a)anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Chrysene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 006 SB-3 30-32
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
bis(2-Ethylhexyl)phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Di-n-octyl phthalate	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Indeno (1,2,3-cd)Pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Benzo(b)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Benzo(k)fluoranthene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Benzo(a)pyrene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Dibenzo(a,h)Anthracene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
Benzo (g,h,i) perylene	EPA 8270C	ND	ug/Kg	190	TLL	03/31/2010 / 17:05	
2-FLUOROPHENOL (SURR)		71.2	%		TLL	03/31/2010 / 17:05	
PHENOL-D5 (SURR)		70.2	%		TLL	03/31/2010 / 17:05	
NITROBENZENE-D5 (SURR)		78.5	%		TLL	03/31/2010 / 17:05	
2-FLUOROBIPHENYL (SURR)		77.0	%		TLL	03/31/2010 / 17:05	
2,4,6-TRIBROMOPHENOL (SURR)		30.2	%		TLL	03/31/2010 / 17:05	
TERPHENYL-D14 (SURR)		82.0	%		TLL	03/31/2010 / 17:05	
Pesticides-Soil/Solid							
alpha-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
beta-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
gamma-BHC (Lindane)	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
delta-BHC	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Heptachlor	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Heptachlor Epoxide	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Aldrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Dieldrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Endrin	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
4,4'-DDD	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
4,4'-DDE	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
4,4'-DDT	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Endosulfan I	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Endosulfan II	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Endosulfan Sulfate	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Endrin Aldehyde	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Methoxychlor	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Endrin Ketone	EPA 8081A	ND	ug/Kg	1.9	TLL	04/05/2010 / 15:00	
Chlordane	EPA 8081A	ND	ug/Kg	38.2	TLL	04/05/2010 / 15:00	

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 006 SB-3 30-32
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Toxaphene	EPA 8081A	ND	ug/Kg	38.2	TLL	04/05/2010 / 15:00	
TCMX (SURROGATE)		71.0	%		TLL	04/05/2010 / 15:00	
DCB (SURROGATE)		82.1	%		TLL	04/05/2010 / 15:00	
PCB-SOIL/SOLID							
PCB-1016	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 18:00	
PCB-1221	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 18:00	
PCB-1232	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 18:00	
PCB-1242	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 18:00	
PCB-1248	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 18:00	
PCB-1254	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 18:00	
PCB-1260	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 18:00	
PCB-1262	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 18:00	
PCB-1268	EPA 8082	ND	ug/Kg	38.2	TLL	03/30/2010 / 18:00	
TCMX (SURROGATE)		87.0	%		TLL	03/30/2010 / 18:00	
DCB (SURROGATE)		93.5	%		TLL	03/30/2010 / 18:00	
TAL Metals-Soil/Solid							
Antimony	6010B, SW-846	ND	mg/Kg	46.5	TDJ	04/06/2010 / 11:52	RL7
Aluminum	6010B, SW-846	21000	mg/Kg	23.0	TDJ	04/05/2010 / 11:31	
Arsenic	6010B, SW-846	ND	mg/Kg	57.6	TDJ	04/06/2010 / 16:48	RL3
Barium	6010B, SW-846	199	mg/Kg	3.5	TDJ	04/05/2010 / 11:31	
Beryllium	6010B, SW-846	0.831	mg/Kg	0.345	TDJ	04/05/2010 / 11:31	
Cadmium	6010B, SW-846	ND	mg/Kg	1.73	TDJ	04/05/2010 / 11:52	RL7
Chromium	6010B, SW-846	38.9	mg/Kg	1.15	TDJ	04/05/2010 / 11:31	
Calcium	6010B, SW-846	2220	mg/Kg	173	TDJ	04/05/2010 / 11:31	
Iron	6010B, SW-846	38500	mg/Kg	11.5	TDJ	04/05/2010 / 11:31	
Cobalt	6010B, SW-846	26.8	mg/Kg	6.91	TDJ	04/05/2010 / 11:31	
Copper	6010B, SW-846	39.1	mg/Kg	5.76	TDJ	04/05/2010 / 11:31	
Lead	6010B, SW-846	20.2	mg/Kg	3.45	TDJ	04/05/2010 / 11:31	
Magnesium	6010B, SW-846	11400	mg/Kg	138	TDJ	04/05/2010 / 11:31	
Manganese	6010B, SW-846	919	mg/Kg	1.73	TDJ	04/05/2010 / 11:31	
Mercury	SW-846; 7471A	ND	mg/Kg	0.0396	TDJ	04/01/2010 / 15:01	
Nickel	6010B, SW-846	58.1	mg/Kg	4.61	TDJ	04/05/2010 / 11:31	
Vanadium	6010B, SW-846	52.4	mg/Kg	28.8	TDJ	04/05/2010 / 11:52	
Selenium	6010B, SW-846	ND	mg/Kg	26.5	TDJ	04/05/2010 / 11:52	RL7

Customer: Ethan C. Eldon Associates, Inc

Workorder No. 1003-00188

Sample: 006 SB-3 30-32
(Continued)

Parameter	Method	Results	Units	PQL	Tech	Analysis Date/Time	Qual
Potassium	6010B, SW-846	11200	mg/Kg	173	TDJ	04/05/2010 / 11:31	
Silver	6010B, SW-846	0.583	mg/Kg	0.58	TDJ	04/05/2010 / 11:31	
Sodium	6010B, SW-846	470	mg/Kg	173	TDJ	04/05/2010 / 11:31	
Thallium	6010B, SW-846	13.5	mg/Kg	2.30	TDJ	04/05/2010 / 11:31	
Zinc	6010B, SW-846	106	mg/Kg	5.76	TDJ	04/05/2010 / 11:31	
Percent Solids	SM 2540G	86.0	%		PJS	03/26/2010 / 15:54	
Flame/ICP Solid Digestion	EPA 3050B	99.0099			PJS	03/25/2010 / 14:16	

RL3 Reporting limit raised due to high concentrations of non-target analytes.
RL7 Sample required a dilution due to high concentrations of target analytes.

To the best of my knowledge this report is true and accurate.

Authorized By: Jason Hebert Date: 4/6/10

Jason Hebert, Quality Assurance Manager

NOTE: All solid results are reported on a dry weight basis unless otherwise noted.

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 NJ: 59744

ND = Not Detected **PQL= Practical Quantitation Limit**

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AMERISCI JOB NO:

PAGE 1 OF 1

DUE DATE: 1003-188

☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒ 7 DAY ☐ 10 DAY

TEMP UPON RECEIPT: 1.4°C

DATA PACKAGE: EMAIL ONLY

P.O.#

COMPANY: Ethan C. Eldon Associates

ADDRESS: 1350 Broadway, Suite 612, NY NY 10018

PHONE: 212 967 2753 FAX 1: 212 967 2747 FAX 2:

CLIENT CONTACT: Alex Janelli EMAIL: eceaalex@aol.com

PROJECT NAME: 122 East 32nd ST PROJECT NUMBER: 02507 PROJECT STATE: NY

MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER

CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID	CLIENT SAMPLE IDENTIFICATION		MATRIX	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	TIME	TECH	GRAB (G) OR COMPOSITE (C)	PRESERVATIVES	SAMPLE pH AT LOGIN	VOC	SVOC	PCB	PESTICIDE	TAL METALS	Notes:
1	SB-1	25-27'	S	2oz	G	ONE	3/24	11:00	AJ	G	Ice		X					
2	SB-1	25-27'		8oz			3/24	11:00						X	X	X	X	
3	SB-1	30-32'		2oz			3/24	2					X					
4	SB-1	30-32'		8oz			3/24	2						X	X	X	X	
5	SB-2	23.5-25.5		2oz			3/22	11					X					
6	SB-2	23.5-25.5		8oz			3/22	11						X	X	X	X	
7	SB-2	29-31		2oz			3/22	2					X					
8	SB-2	29-31		8oz			3/22	2						X	X	X	X	
9	SB-3	25-27		2oz			3/23	11					X					
10	SB-3	25-27		8oz			3/23	11						X	X	X	X	
11	SB-3	30-32		2oz			3/23	2					X					
12	SB-3	30-32	S	8oz	G		3/23	2						X	X	X	X	

SAMPLED BY: (PRINT) Alexandra Janelli	DATE: 3/24	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME: 2pm	(SIGN)	TIME:
RELINQUISHED BY: (PRINT) Alexandra Janelli	DATE: 3/24	RECEIVED BY: (PRINT)	DATE:
(SIGN)	TIME: 5pm	(SIGN)	TIME:
RELINQUISHED BY: (PRINT)	DATE:	RECEIVED FOR LABORATORY BY: (PRINT) MARTY PORTA	DATE: 3/25/10
(SIGN)	TIME:	(SIGN)	TIME: 9:45

Eastern Connection

(800) 877-4745
www.ecdelivers.com

Pick-up Date	Pick-up Time	Pick-up Agent	1 ACCOUNT #	Service Level	Route
3/24/10			63219 7	1	

BOL # 49351190

2 FROM (YOUR NAME) [illegible] Phone (800) 705-5227
Company AMERI SCI
Street Address 117 EAST 30TH STREET Room/Floor
City NEW YORK State NY Zip Code 10016

3 SHIPPER BILLING REFERENCE

4 TO (RECIPIENT'S NAME) [illegible] Phone (888) 724-5231
Company AMERI SCI
Exact Street Address CANNOT DELIVER TO P.O. BOX Room/Floor
8 SCHOOL STREET
City WEYMOUTH State MA Zip Code 02189

5 RELEASE SIGNATURE

By signing here, sender authorizes Eastern Connection to deliver this shipment without obtaining a delivery signature and shall hold harmless Eastern Connection from any claims resulting therefrom.

6 EC GUARANTEED EXPRESS PARCEL SERVICE

- ☐ **Express Priority Overnight** Next business morning by 10:30. Consult service guide for specific delivery times.
- ☐ **Early A.M** Next business morning by _____ a.m. **Fees apply.**
- ☐ **Fast Freight** Indicate number of pallets tendered _____ **Call for rates.**
- ☐ **Same Day/Fleet Leasing** Nationwide Next Flight or Door to Door Direct Drive. **Call for rates.**
- ☐ **Ground Delivery Service** Must call for rates and prior arrangements.
- ☐ **Saturday Service** Not avail. all Locations. **Fees apply.** Pick up ☐ Delivery ☐
- ☐ **Sunday/Holiday Service** Not avail. all Locations. **Fees apply.** Pick up ☐ Delivery ☐

 # Of Pieces 2

Weight (Round up to nearest lb) 35 lbs.

(Subject to Reweigh and Dimensional Calculations)

7 DECLARED VALUE ($10,000 MAX.) _____

Special Instructions

Routing Code ~~RED~~ OWD

8 C.O.D. SHIPPING _____

This Bill of Lading is Subject to *(Terms & Conditions of Contract) Set Forth on REVERSE of Shipper's Copy. Do Not Send Cash or Cash Equivalent.

49351190

PACKAGE COPY

REORDER FROM CSM GROUP, INC. 508-643-4010

AmeriSci Boston

SCI-SOP-1003

Sample Receiving Form

CLIENT:	ETHAN C. ELDON	WORKORDER:	1003-188
CLIENTS JOB:	02507	RECEIVED BY:	MP
RECEIVED DATE:	3/25/10	SHIPPING METHOD:	EASTERN Connection
TEMP UPON RECEIPT:	1.4°C		

"No" responses must be explained in the comment section below.

Checklist	YES	NO	NA
Were custody seals on shipping container(s) intact? Check "NA" if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms included with the samples?	X		
Were Chain of Custody Forms properly filled out (ink, signed, etc.)	X		
Were all containers received in good condition (Check for breakage/ leaks)?	X		
Were all containers labeled with required information (Sample Id, date, signed, analysis, preservation)?	X		
Were the correct containers used for the tests indicated?	X		
Were proper preservation techniques indicated?	X		
Were samples received within holding times? If "NO" nonconformance form is required.	X		
Were all VOA bottles checked for the presence of air bubbles? If bubbles were found please note in the comment section.			X
Were samples in direct contact with wet ice? If "NO" check one: ☐ Blue Ice ☐ No Ice	X		
Is sample temperature recorded ? If "NO" check one: ☐ Unable to record ☐ Temp taken near samples	X		
Were pHs of samples checked and recorded on the COC forms?			X
Did the laboratory accept samples?	X		
Will samples be subcontracted? If "yes" list subcontractor and tests in specified sections below.		X	

Subcontractor: Date Sent Out:

Analyses Sent:

Login Technician: MP Login Review:

Comments:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

DATA PACKAGE

METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : SAMOO ARCHITECTS

SUSTAINABLE MANAGEMENT LLC

1370 Broadway, 5th Floor

New York, NY - 10018

Phone No: 646-380-1939

ORDER ID : E1297

ATTENTION : Chunyuan Li

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SB0-2	E1297-01	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SB28-30	E1297-02	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
GW	E1297-03	8260C, 8260-Low	8270D		8081B, 8082A	6010B, 7471A, 7470A	Chemtech -SOP
GW	E1297-04	8260C, 8260-Low	8270D		8081B, 8082A	6010B, 7471A, 7470A	Chemtech -SOP
TB	E1297-06	8260C, 8260-Low	8270D		8081B, 8082A	6010B, 7471A, 7470A	Chemtech -SOP

CHEMTECH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
E1297-01	SOIL	02/12/13	02/13/13	02/14/13	02/14/13
E1297-02	SOIL	02/12/13	02/13/13	02/14/13	02/14/13
E1297-03	Water	02/12/13	02/13/13	02/14/13	02/14/13

*** Details For Test :** SVOC-TCL BNA -20

CHEMTECH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
E1297-01	SOIL	02/12/13	02/13/13		02/13/13
E1297-02	SOIL	02/12/13	02/13/13		02/13/13
E1297-03	Water	02/12/13	02/13/13		02/13/13
E1297-06	Water	02/12/13	02/13/13		02/13/13

*** Details For Test :** VOC-TCLVOA-10

CHEMTECH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
E1297-01	SOIL	02/12/13	02/13/13	02/14/13	02/15/13
E1297-02	SOIL	02/12/13	02/13/13	02/14/13	02/15/13
E1297-03	WATER	02/12/13	02/13/13	02/14/13	02/14/13

*** Details For Test :** PCB

CHEMTECH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
E1297-01	Solid	8260C	5035		
E1297-02	Solid	8260C	5035		
E1297-03	Water	8260-Low	5030		
E1297-06	Water	8260-Low	5030		

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
E1297-04	WATER	Dissolved ICP-TAL Me	02/13/13	02/14/13	02/14/13

*** Details For Test :** Dissolved ICP-TAL Metals

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
E1297-01	SOIL	02/12/13	02/13/13	02/14/13	02/14/13
E1297-02	SOIL	02/12/13	02/13/13	02/14/13	02/14/13
E1297-03	WATER	02/12/13	02/13/13	02/14/13	02/14/13

*** Details For Test :** Pesticide-TCL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
E1297-01	Solid	8270D	3550		
E1297-02	Solid	8270D	3550		
E1297-03	Water	8270D	3510C		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
E1297-04	WATER	Dissolved Mercury	02/13/13	02/14/13	02/15/13

*** Details For Test :** Dissolved Mercury

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
E1297-01	Solid	8081B			
E1297-01	Solid	8082A			
E1297-02	Solid	8081B			
E1297-02	Solid	8082A			
E1297-03	Water	8081B			
E1297-03	Water	8082A			

CHEMTECH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
E1297-01	SOIL	Mercury	02/13/13	02/13/13	02/14/13
E1297-02	SOIL	Mercury	02/13/13	02/13/13	02/14/13
E1297-03	WATER	Mercury	02/13/13	02/14/13	02/15/13

*** Details For Test :** Mercury

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
E1297-01	SOIL	Metals ICP-TAL	02/13/13	02/14/13	02/14/13
E1297-02	SOIL	Metals ICP-TAL	02/13/13	02/14/13	02/14/13
E1297-03	WATER	Metals ICP-TAL	02/13/13	02/14/13	02/14/13

*** Details For Test :** Metals ICP-TAL

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Cover Page

Order ID : E1297

Project ID : Samoo Architects

Client : Sustainable Management LLC

Lab Sample Number	Client Sample Number
E1297-01	SB0-2
E1297-02	SB28-30
E1297-03	GW
E1297-04	GW
E1297-06	TB

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 2/18/2013

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Sustainable Management LLC
Project Name: Samoo Architects
Project # N/A
Chemtech Project # E1297
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/13/2013.
3 Water samples were received on 02/13/2013.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, Pesticides/PCB-TCL, Pesticides/PCB-TCL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike for {VD0213SBS01} with File ID: VD037345.D met requirements for all samples except for 1,2,3-Trichlorobenzene[62%], 1,2,4-Trichlorobenzene[58%] but they were not detected in Samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The %RSD is greater than 15% in the Initial Calibration (Method 82D012112W.M) for Acetone, Methyl Acetate, Bromochloromethane, 1,2-Dibromo-3-Chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene these compounds are passing on Quadratic regration.

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The %RSD is greater than 15% in the Initial Calibration (Method 82N020412W.M) for Cyclohexane, Bromoform these compounds are passing on Linear regration.
The Continuous Calibration File ID VD037343.D met the requirements except for Bromomethane but it was not detected in Samples.The Continuous Calibration File ID VN004012.D met the requirements except for Bromomethane,Bromoform and Acetone but they were not detected in Samples.
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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CASE NARRATIVE

Sustainable Management LLC
Project Name: Samoo Architects
Project # N/A
Chemtech Project # E1297
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/13/2013.
3 Water samples were received on 02/13/2013.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, Pesticides/PCB-TCL, Pesticides/PCB-TCL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column ZB-5MS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 7FD-G010-53.The analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike for {PB68348BS} with File ID: BF060656.D met requirements for all samples except for 2-Methylphenol[99%] .The Blank Spike Duplicate for {PB68348BSD} with File ID: BF060657.D met requirements for all samples except for 2-Methylphenol[99%] .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF020513.M) for 2,4-Dinitrophenol this compound is passing on Linear regression .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

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E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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CASE NARRATIVE

Sustainable Management LLC
Project Name: Samoo Architects
Project # N/A
Chemtech Project # E1297
Test Name: PCB

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/13/2013.
3 Water samples were received on 02/13/2013.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, Pesticides/PCB-TCL, Pesticides/PCB-TCL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:
The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:
F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____

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CASE NARRATIVE

Sustainable Management LLC
Project Name: Samoo Architects
Project # N/A
Chemtech Project # E1297
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/13/2013.
3 Water samples were received on 02/13/2013.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, Pesticides/PCB-TCL, Pesticides/PCB-TCL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:
Rtx-CLPesticides 30m 0.32mm 0.32um 935564 / Rtx-CLPesticides 30m 0.32mm 0.25um 932222The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:
F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Sustainable Management LLC
Project Name: Samoo Architects
Project # N/A
Chemtech Project # E1297
Test Name: Dissolved ICP-TAL Metals,Dissolved Mercury,Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/13/2013.
3 Water samples were received on 02/13/2013.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, Pesticides/PCB-TCL, Pesticides/PCB-TCL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for Dissolved ICP-TAL Metals,Dissolved Mercury,Mercury,Metals ICP-TAL.

C. Analytical Techniques:
The analysis of Dissolved ICP-TAL Metals,Metals ICP-TAL was based on method 6010B, digestion based on method 3050 (soils) and 3010 (waters).The analysis and digestion of Dissolved Mercury,Mercury was based on method 7470A. The analysis of Mercury was based on method 7471A and digestion was based on method 7471B (soils).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis(SB-1-1S) met criteria for all samples except for Antimony and Cobalt.The Matrix Spike analysis(GWS) met criteria for all samples except for Aluminum.
The Matrix Spike Duplicate analysis(SB-1-1SD) met criteria for all samples except for Antimony.The Matrix Spike Duplicate analysis(GWSD) met criteria for all samples except for Aluminum.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution(SB-1-1L) met criteria for all samples except for Barium, Calcium, Chromium, Magnesium, Manganese and Nickel.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

LAB CHRONICLE

OrderID:	E1297	**OrderDate:**	2/13/2013 12:49:32 PM
Client:	Sustainable Management LLC	**Project:**	Samoo Architects
Contact:	Chunyuan Li	**Location:**	G32

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
E1297-01	**SB0-2**	**SOIL**			**02/12/13**			**02/13/13**
			VOC-TCLVOA-10	8260C			02/13/13	
E1297-02	**SB28-30**	**SOIL**			**02/12/13**			**02/13/13**
			VOC-TCLVOA-10	8260C			02/13/13	
E1297-03	**GW**	**Water**			**02/12/13**			**02/13/13**
			VOC-TCLVOA-10	8260-Low			02/13/13	
E1297-06	**TB**	**Water**			**02/12/13**			**02/13/13**
			VOC-TCLVOA-10	8260-Low			02/13/13	

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:								

Total Concentration:

SAMPLE DATA

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2	SDG No.:	E1297
Lab Sample ID:	E1297-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	18.2
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037358.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.05	U	0.79	3.05	6.1	ug/Kg
74-87-3	Chloromethane	3.05	U	1.1	3.05	6.1	ug/Kg
75-01-4	Vinyl Chloride	3.05	U	1.5	3.05	6.1	ug/Kg
74-83-9	Bromomethane	3.05	U	3	3.05	6.1	ug/Kg
75-00-3	Chloroethane	3.05	U	1.7	3.05	6.1	ug/Kg
75-69-4	Trichlorofluoromethane	3.05	U	1.6	3.05	6.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.05	U	1.6	3.05	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	3.05	U	1.8	3.05	6.1	ug/Kg
67-64-1	Acetone	15.3	U	3.7	15.3	30.6	ug/Kg
75-15-0	Carbon Disulfide	3.05	U	1.3	3.05	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.05	U	1.2	3.05	6.1	ug/Kg
79-20-9	Methyl Acetate	3.05	U	1.8	3.05	6.1	ug/Kg
75-09-2	Methylene Chloride	3.05	U	1.7	3.05	6.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.05	U	0.84	3.05	6.1	ug/Kg
75-34-3	1,1-Dichloroethane	3.05	U	1.1	3.05	6.1	ug/Kg
110-82-7	Cyclohexane	3.05	U	1.2	3.05	6.1	ug/Kg
78-93-3	2-Butanone	15.3	U	3.8	15.3	30.6	ug/Kg
56-23-5	Carbon Tetrachloride	3.05	U	1.2	3.05	6.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.05	U	1.1	3.05	6.1	ug/Kg
74-97-5	Bromochloromethane	3.05	U	0.97	3.05	6.1	ug/Kg
67-66-3	Chloroform	3.05	U	0.9	3.05	6.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.05	U	1.1	3.05	6.1	ug/Kg
108-87-2	Methylcyclohexane	3.05	U	1.3	3.05	6.1	ug/Kg
71-43-2	Benzene	3.05	U	0.46	3.05	6.1	ug/Kg
107-06-2	1,2-Dichloroethane	3.05	U	0.78	3.05	6.1	ug/Kg
79-01-6	Trichloroethene	3.05	U	1.1	3.05	6.1	ug/Kg
78-87-5	1,2-Dichloropropane	3.05	U	0.32	3.05	6.1	ug/Kg
75-27-4	Bromodichloromethane	3.05	U	0.76	3.05	6.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15.3	U	3.6	15.3	30.6	ug/Kg
108-88-3	Toluene	3.05	U	0.78	3.05	6.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.05	U	0.97	3.05	6.1	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2	SDG No.:	E1297
Lab Sample ID:	E1297-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	18.2
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037358.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.05	U	0.88	3.05	6.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.05	U	1.1	3.05	6.1	ug/Kg
591-78-6	2-Hexanone	15.3	U	4.8	15.3	30.6	ug/Kg
124-48-1	Dibromochloromethane	3.05	U	0.66	3.05	6.1	ug/Kg
106-93-4	1,2-Dibromoethane	3.05	U	0.78	3.05	6.1	ug/Kg
127-18-4	Tetrachloroethene	3.05	U	1.2	3.05	6.1	ug/Kg
108-90-7	Chlorobenzene	3.05	U	0.61	3.05	6.1	ug/Kg
100-41-4	Ethyl Benzene	3.05	U	0.76	3.05	6.1	ug/Kg
179601-23-1	m/p-Xylenes	6.1	U	0.88	6.1	12.2	ug/Kg
95-47-6	o-Xylene	3.05	U	0.83	3.05	6.1	ug/Kg
100-42-5	Styrene	3.05	U	0.55	3.05	6.1	ug/Kg
75-25-2	Bromoform	3.05	U	0.9	3.05	6.1	ug/Kg
98-82-8	Isopropylbenzene	3.05	U	0.59	3.05	6.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.05	U	0.56	3.05	6.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.05	U	0.45	3.05	6.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.05	U	0.5	3.05	6.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.05	U	0.76	3.05	6.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.05	U	1.1	3.05	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.05	UQ	0.86	3.05	6.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.05	UQ	0.61	3.05	6.1	ug/Kg
123-91-1	1,4-Dioxane	60	U	12.2	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.3		56 - 120		89%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		57 - 135		94%	SPK: 50
2037-26-5	Toluene-d8	49		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		33 - 141		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	237707	4.72				
540-36-3	1,4-Difluorobenzene	405489	5.43				
3114-55-4	Chlorobenzene-d5	397936	9.54				
3855-82-1	1,4-Dichlorobenzene-d4	119516	12.45				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2	SDG No.:	E1297
Lab Sample ID:	E1297-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	18.2
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037358.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30	SDG No.:	E1297
Lab Sample ID:	E1297-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	22.2
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037359.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.2	U	0.83	3.2	6.4	ug/Kg
74-87-3	Chloromethane	3.2	U	1.1	3.2	6.4	ug/Kg
75-01-4	Vinyl Chloride	3.2	U	1.6	3.2	6.4	ug/Kg
74-83-9	Bromomethane	3.2	U	3.1	3.2	6.4	ug/Kg
75-00-3	Chloroethane	3.2	U	1.8	3.2	6.4	ug/Kg
75-69-4	Trichlorofluoromethane	3.2	U	1.7	3.2	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.2	U	1.7	3.2	6.4	ug/Kg
75-35-4	1,1-Dichloroethene	3.2	U	1.9	3.2	6.4	ug/Kg
67-64-1	Acetone	16.05	U	3.9	16.05	32.1	ug/Kg
75-15-0	Carbon Disulfide	3.2	U	1.4	3.2	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.2	U	1.2	3.2	6.4	ug/Kg
79-20-9	Methyl Acetate	3.2	U	1.9	3.2	6.4	ug/Kg
75-09-2	Methylene Chloride	3.2	U	1.8	3.2	6.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.2	U	0.89	3.2	6.4	ug/Kg
75-34-3	1,1-Dichloroethane	3.2	U	1.2	3.2	6.4	ug/Kg
110-82-7	Cyclohexane	3.2	U	1.3	3.2	6.4	ug/Kg
78-93-3	2-Butanone	16.05	U	4	16.05	32.1	ug/Kg
56-23-5	Carbon Tetrachloride	3.2	U	1.3	3.2	6.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.2	U	1.1	3.2	6.4	ug/Kg
74-97-5	Bromochloromethane	3.2	U	1	3.2	6.4	ug/Kg
67-66-3	Chloroform	3.2	U	0.95	3.2	6.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.2	U	1.1	3.2	6.4	ug/Kg
108-87-2	Methylcyclohexane	3.2	U	1.4	3.2	6.4	ug/Kg
71-43-2	Benzene	3.2	U	0.49	3.2	6.4	ug/Kg
107-06-2	1,2-Dichloroethane	3.2	U	0.82	3.2	6.4	ug/Kg
79-01-6	Trichloroethene	3.2	U	1.1	3.2	6.4	ug/Kg
78-87-5	1,2-Dichloropropane	3.2	U	0.33	3.2	6.4	ug/Kg
75-27-4	Bromodichloromethane	3.2	U	0.8	3.2	6.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	16.05	U	3.7	16.05	32.1	ug/Kg
108-88-3	Toluene	3.2	U	0.82	3.2	6.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.2	U	1	3.2	6.4	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30	SDG No.:	E1297
Lab Sample ID:	E1297-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	22.2
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037359.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.2	U	0.92	3.2	6.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.2	U	1.2	3.2	6.4	ug/Kg
591-78-6	2-Hexanone	16.05	U	5	16.05	32.1	ug/Kg
124-48-1	Dibromochloromethane	3.2	U	0.69	3.2	6.4	ug/Kg
106-93-4	1,2-Dibromoethane	3.2	U	0.82	3.2	6.4	ug/Kg
127-18-4	Tetrachloroethene	3.2	U	1.3	3.2	6.4	ug/Kg
108-90-7	Chlorobenzene	3.2	U	0.64	3.2	6.4	ug/Kg
100-41-4	Ethyl Benzene	3.2	U	0.8	3.2	6.4	ug/Kg
179601-23-1	m/p-Xylenes	6.4	U	0.92	6.4	12.8	ug/Kg
95-47-6	o-Xylene	3.2	U	0.87	3.2	6.4	ug/Kg
100-42-5	Styrene	3.2	U	0.58	3.2	6.4	ug/Kg
75-25-2	Bromoform	3.2	U	0.95	3.2	6.4	ug/Kg
98-82-8	Isopropylbenzene	3.2	U	0.62	3.2	6.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.2	U	0.59	3.2	6.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.2	U	0.47	3.2	6.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.2	U	0.53	3.2	6.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.2	U	0.8	3.2	6.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	1.1	3.2	6.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.2	UQ	0.9	3.2	6.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.2	UQ	0.64	3.2	6.4	ug/Kg
123-91-1	1,4-Dioxane	65	U	12.8	65	130	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.5		56 - 120		89%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		57 - 135		100%	SPK: 50
2037-26-5	Toluene-d8	48.1		67 - 123		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		33 - 141		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	247459	4.72				
540-36-3	1,4-Difluorobenzene	408114	5.43				
3114-55-4	Chlorobenzene-d5	410248	9.55				
3855-82-1	1,4-Dichlorobenzene-d4	118954	12.47				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30	SDG No.:	E1297
Lab Sample ID:	E1297-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	22.2
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037359.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-03	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004020.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-03	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004020.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47		61 - 141		94%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		69 - 133		94%	SPK: 50
2037-26-5	Toluene-d8	48.8		65 - 126		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		58 - 135		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1243260	7.868				
540-36-3	1,4-Difluorobenzene	1961810	8.787				
3114-55-4	Chlorobenzene-d5	1837080	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	947794	13.562				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-03	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004020.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	TB	SDG No.:	E1297
Lab Sample ID:	E1297-06	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004017.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	TB	SDG No.:	E1297
Lab Sample ID:	E1297-06	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004017.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.3		61 - 141		95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	48.6		65 - 126		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		58 - 135		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1259720	7.871				
540-36-3	1,4-Difluorobenzene	2000140	8.787				
3114-55-4	Chlorobenzene-d5	1861100	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	956330	13.562				

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	TB	SDG No.:	E1297
Lab Sample ID:	E1297-06	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004017.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

QC SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Surrogate Summary

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
E1282-05MS	SBLOAM(5000-6000)MS	1,2-Dichloroethane-d4	50	50.13	100		56	120
		Dibromofluoromethane	50	52.03	104		57	135
		Toluene-d8	50	49.99	100		67	123
		4-Bromofluorobenzene	50	49.12	98		33	141
E1282-05MSD	SBLOAM(5000-6000)MSD	1,2-Dichloroethane-d4	50	50.96	102		56	120
		Dibromofluoromethane	50	55.82	112		57	135
		Toluene-d8	50	53.5	107		67	123
		4-Bromofluorobenzene	50	49.69	99		33	141
E1297-01	SB0-2	1,2-Dichloroethane-d4	50	44.34	89		56	120
		Dibromofluoromethane	50	47.06	94		57	135
		Toluene-d8	50	49.02	98		67	123
		4-Bromofluorobenzene	50	50.62	101		33	141
E1297-02	SB28-30	1,2-Dichloroethane-d4	50	44.52	89		56	120
		Dibromofluoromethane	50	49.79	100		57	135
		Toluene-d8	50	48.05	96		67	123
		4-Bromofluorobenzene	50	53.43	107		33	141
E1297-03	GW	1,2-Dichloroethane-d4	50	46.97	94		61	141
		Dibromofluoromethane	50	47.18	94		69	133
		Toluene-d8	50	48.84	98		65	126
		4-Bromofluorobenzene	50	50.69	101		58	135
E1297-06	TB	1,2-Dichloroethane-d4	50	47.26	95		61	141
		Dibromofluoromethane	50	47.59	95		69	133
		Toluene-d8	50	48.61	97		65	126
		4-Bromofluorobenzene	50	50.4	101		58	135
VD0213SBL01	VD0213SBL01	1,2-Dichloroethane-d4	50	51.58	103		56	120
		Dibromofluoromethane	50	52.89	106		57	135
		Toluene-d8	50	49.53	99		67	123
		4-Bromofluorobenzene	50	48.23	96		33	141
VD0213SBS01	VD0213SBS01	1,2-Dichloroethane-d4	50	52.59	105		56	120
		Dibromofluoromethane	50	54.26	109		57	135
		Toluene-d8	50	52.99	106		67	123
		4-Bromofluorobenzene	50	50.61	101		33	141
VN0213WBL01	VN0213WBL01	1,2-Dichloroethane-d4	50	47.37	95		61	141
		Dibromofluoromethane	50	48.28	97		69	133
		Toluene-d8	50	48.93	98		65	126
		4-Bromofluorobenzene	50	50.98	102		58	135
VN0213WBS01	VN0213WBS01	1,2-Dichloroethane-d4	50	48.79	98		61	141
		Dibromofluoromethane	50	51.25	102		69	133
		Toluene-d8	50	51.42	103		65	126
		4-Bromofluorobenzene	50	49.2	98		58	135

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1297 **SAS No :** E1297 **SDG No:** E1297

Client SampleID : SBLOAM(5000-6000)MS **Analytical Method:** EPA SW846 8260 **Datafile :** VD037360.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Ethyl Benzene	57.1		63.9	112	(65-133)
Styrene	57.1		64.2	112	(66-127)
cis-1,3-Dichloropropene	57.1		61.8	108	(65-129)
t-1,3-Dichloropropene	57.1		63.4	111	(64-129)
1,4-Dichlorobenzene	57.1		61.8	108	(59-128)
1,2-Dibromoethane	57.1		63.9	112	(65-130)
1,2-Dichloroethane	57.1		64.4	113	(68-130)
4-Methyl-2-Pentanone	290		280	97	(59-137)
Methylcyclohexane	57.1		55.8	98	(54-134)
Toluene	57.1		65.8	115	(65-133)
Chlorobenzene	57.1		64.8	113	(66-128)
Cyclohexane	57.1		50.7	89	(59-140)
1,2,4-Trichlorobenzene	57.1		40	70	(38-131)
1,4-Dioxane	1100		1100	100	(50-150)
Dibromochloromethane	57.1		67.9	119	(67-131)
Tetrachloroethene	57.1		63.4	111	(37-161)
cis-1,2-Dichloroethene	57.1		61.3	107	(65-132)
trans-1,2-Dichloroethene	57.1		60.9	107	(64-135)
Methyl tert-butyl Ether	57.1		59.2	104	(64-132)
m/p-Xylenes	110		130	118	(62-134)
1,3-Dichlorobenzene	57.1		63.8	112	(60-129)
Carbon Tetrachloride	57.1		66.9	117	(66-137)
2-Hexanone	290		250	86	(58-133)
Acetone	290		230	79	(41-145)
Chloroform	57.1		60.2	105	(68-132)
Benzene	57.1		61.8	108	(68-130)
1,1,1-Trichloroethane	57.1		63.1	111	(69-138)
Bromomethane	57.1		73.6	129	(47-151)
Chloromethane	57.1		55.3	97	(51-144)
Bromochloromethane	57.1		58.1	102	(62-125)
Chloroethane	57.1		60.6	106	(55-158)
Vinyl Chloride	57.1		51.8	91	(56-145)
Methylene Chloride	57.1	2.4	58	97	(59-133)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1297 **SAS No :** E1297 **SDG No:** E1297

Client SampleID : SBLOAM(5000-6000)MS **Analytical Method:** EPA SW846 8260 **Datafile :** VD037360.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Carbon Disulfide	57.1		54.1	95	(56-139)
Bromoform	57.1		66.9	117	(68-131)
Bromodichloromethane	57.1		65.2	114	(68-132)
1,1-Dichloroethane	57.1		59.1	104	(66-135)
1,1-Dichloroethene	57.1		59	103	(64-140)
Trichlorofluoromethane	57.1		64.7	113	(63-145)
Dichlorodifluoromethane	57.1		58	102	(44-157)
1,1,2-Trichlorotrifluoroethane	57.1		62.8	110	(63-141)
1,2-Dichloropropane	57.1		59.9	105	(65-136)
2-Butanone	290		240	83	(54-137)
1,1,2-Trichloroethane	57.1		63.7	112	(66-131)
Trichloroethene	57.1		67.6	118	(54-149)
Methyl Acetate	57.1		83.6	146	(21-221)
1,1,2,2-Tetrachloroethane	57.1		66.2	116	(48-150)
1,2,3-Trichlorobenzene	57.1		37.7	66	(26-131)
o-Xylene	57.1		64.8	113	(65-133)
1,2-Dichlorobenzene	57.1		64.6	113	(63-127)
1,2-Dibromo-3-Chloropropane	57.1		51.7	91	(65-137)
Isopropylbenzene	57.1		68.4	120	(64-139)

RPD : 0 Out of 52 outside limits

Spike Recovery : 0 Out of 52 outside limits

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1297 **SAS No :** E1297 **SDG No:** E1297

Client SampleID : SBLOAM(5000-6000)MSD **Analytical Method:** EPA SW846 8260 **Datafile :** VD037361.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %REC	MSD %RPD	QC LIMITS RPD	QC LIMITS REC
Ethyl Benzene	57.1	66.4	116	4	20	(65-133)
Styrene	57.1	66.4	116	3	20	(66-127)
cis-1,3-Dichloropropene	57.1	62.3	109	1	20	(65-129)
t-1,3-Dichloropropene	57.1	62.9	110	1	20	(64-129)
1,4-Dichlorobenzene	57.1	68.4	120	10	20	(59-128)
1,2-Dibromoethane	57.1	63.3	111	1	20	(65-130)
1,2-Dichloroethane	57.1	64.2	112	0	20	(68-130)
4-Methyl-2-Pentanone	290	280	97	0	20	(59-137)
Methylcyclohexane	57.1	58.2	102	4	20	(54-134)
Toluene	57.1	65.3	114	1	20	(65-133)
Chlorobenzene	57.1	67.2	118	4	20	(66-128)
Cyclohexane	57.1	55.8	98	10	20	(59-140)
1,2,4-Trichlorobenzene	57.1	44.9	79	12	20	(38-131)
1,4-Dioxane	1100	1100	100	0	20	(50-150)
Dibromochloromethane	57.1	66.1	116	3	20	(67-131)
Tetrachloroethene	57.1	66.8	117	5	20	(37-161)
cis-1,2-Dichloroethene	57.1	63.1	111	3	20	(65-132)
trans-1,2-Dichloroethene	57.1	62.9	110	3	20	(64-135)
Methyl tert-butyl Ether	57.1	60.6	106	2	20	(64-132)
m/p-Xylenes	110	130	118	0	20	(62-134)
1,3-Dichlorobenzene	57.1	70	123	9	20	(60-129)
Carbon Tetrachloride	57.1	70.6	124	5	20	(66-137)
2-Hexanone	290	270	93	8	20	(58-133)
Acetone	290	230	79	0	20	(41-145)
Chloroform	57.1	63.4	111	5	20	(68-132)
Benzene	57.1	64.7	113	5	20	(68-130)
1,1,1-Trichloroethane	57.1	65.3	114	3	20	(69-138)
Bromomethane	57.1	72.8	127	1	20	(47-151)
Chloromethane	57.1	60.8	106	9	20	(51-144)
Bromochloromethane	57.1	51.5	90	12	20	(62-125)
Chloroethane	57.1	61.9	108	2	20	(55-158)
Vinyl Chloride	57.1	56.9	100	9	20	(56-145)
Methylene Chloride	57.1	59.7	100	3	20	(59-133)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1297 **SAS No :** E1297 **SDG No:** E1297

Client SampleID : SBLOAM(5000-6000)MSD **Analytical Method:** EPA SW846 8260 **Datafile :** VD037361.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %REC	MSD %RPD	QC LIMITS RPD	QC LIMITS REC
Carbon Disulfide	57.1	56.5	99	4	20	(56-139)
Bromoform	57.1	69.6	122	4	20	(68-131)
Bromodichloromethane	57.1	67.5	118	3	20	(68-132)
1,1-Dichloroethane	57.1	59.5	104	1	20	(66-135)
1,1-Dichloroethene	57.1	63	110	7	20	(64-140)
Trichlorofluoromethane	57.1	67.2	118	4	20	(63-145)
Dichlorodifluoromethane	57.1	58	102	0	20	(44-157)
1,1,2-Trichlorotrifluoroethane	57.1	60.9	107	3	20	(63-141)
1,2-Dichloropropane	57.1	64.1	112	7	20	(65-136)
2-Butanone	290	240	83	0	20	(54-137)
1,1,2-Trichloroethane	57.1	64.1	112	1	20	(66-131)
Trichloroethene	57.1	66.6	117	1	20	(54-149)
Methyl Acetate	57.1	83.4	146	0	20	(21-221)
1,1,2,2-Tetrachloroethane	57.1	67.5	118	2	20	(48-150)
1,2,3-Trichlorobenzene	57.1	44	77	15	20	(26-131)
o-Xylene	57.1	66.9	117	3	20	(65-133)
1,2-Dichlorobenzene	57.1	67.2	118	4	20	(63-127)
1,2-Dibromo-3-Chloropropane	57.1	56.2	98	8	20	(65-137)
Isopropylbenzene	57.1	71.7	126	5	20	(64-139)

RPD : 0 Out of 52 outside limits

Spike Recovery : 0 Out of 52 outside limits

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Solid VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1297 **SAS No :** E1297 **SDG No:** E1297

Matrix Spike - EPA Sample No : VD0213SBS01 **Analytical Method:** EPA SW846 8260 **Datafile :** VD037345.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Ethyl Benzene	20		20.6	103	(80-123)
Styrene	20		20.3	102	(81-121)
cis-1,3-Dichloropropene	20		18.3	92	(79-120)
t-1,3-Dichloropropene	20		19.7	99	(77-123)
1,4-Dichlorobenzene	20		20.6	103	(81-120)
1,2-Dibromoethane	20		19.5	98	(78-123)
1,2-Dichloroethane	20		19.4	97	(78-124)
4-Methyl-2-Pentanone	100		92	92	(73-135)
Methylcyclohexane	20		18	90	(75-127)
Toluene	20		19.6	98	(78-124)
Chlorobenzene	20		20.5	103	(80-121)
Cyclohexane	20		18.3	92	(72-130)
1,2,4-Trichlorobenzene	20		11.5	58*	(75-125)
1,4-Dioxane	400		330	83	(50-150)
Dibromochloromethane	20		19.8	99	(77-121)
Tetrachloroethene	20		20.3	102	(67-134)
cis-1,2-Dichloroethene	20		18.7	94	(78-122)
trans-1,2-Dichloroethene	20		20.2	101	(76-125)
Methyl tert-butyl Ether	20		19.7	99	(76-123)
m/p-Xylenes	40		41	103	(79-126)
1,3-Dichlorobenzene	20		20.3	102	(82-120)
Carbon Tetrachloride	20		19.3	97	(76-127)
2-Hexanone	100		100	100	(71-134)
Acetone	100		92	92	(57-135)
Chloroform	20		19.3	97	(79-122)
Benzene	20		19.1	96	(79-124)
1,1,1-Trichloroethane	20		19.6	98	(76-126)
Bromomethane	20		26.6	133	(64-136)
Chloromethane	20		21.1	106	(65-131)
Bromochloromethane	20		23.6	118	(66-133)
Chloroethane	20		17.4	87	(66-146)
Vinyl Chloride	20		17.4	87	(67-130)
Methylene Chloride	20		19.6	98	(73-134)
Carbon Disulfide	20		17	85	(71-130)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Solid VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1297 **SAS No :** E1297 **SDG No:** E1297

Matrix Spike - EPA Sample No : VD0213SBS01 **Analytical Method:** EPA SW846 8260 **Datafile :** VD037345.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Bromoform	20		20.6	103	(73-124)
Bromodichloromethane	20		20	100	(78-122)
1,1-Dichloroethane	20		20	100	(78-124)
1,1-Dichloroethene	20		20	100	(74-130)
Trichlorofluoromethane	20		19.8	99	(72-134)
Dichlorodifluoromethane	20		18	90	(50-142)
1,1,2-Trichlorotrifluoroethane	20		19.4	97	(73-133)
1,2-Dichloropropane	20		19.2	96	(76-124)
2-Butanone	100		99.8	100	(68-132)
1,1,2-Trichloroethane	20		19.9	100	(78-123)
Trichloroethene	20		19.7	99	(78-124)
Methyl Acetate	20		19.1	96	(62-146)
1,1,2,2-Tetrachloroethane	20		20.6	103	(79-124)
1,2,3-Trichlorobenzene	20		12.3	62*	(79-123)
o-Xylene	20		20.6	103	(80-122)
1,2-Dichlorobenzene	20		20.3	102	(82-118)
1,2-Dibromo-3-Chloropropane	20		16.5	83	(72-127)
Isopropylbenzene	20		22.9	115	(79-123)

RPD : 0 Out of 52 outside limits

Spike Recovery : 2 Out of 52 outside limits

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Water VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1297 **SAS No :** E1297 **SDG No:** E1297

Matrix Spike - EPA Sample No : VN0213WBS01 **Analytical Method:** EPA SW846 8260 **Datafile :** VN004014.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Ethyl Benzene	20		19.2	96	(75-126)
Styrene	20		18.6	93	(75-126)
cis-1,3-Dichloropropene	20		19.5	98	(74-128)
t-1,3-Dichloropropene	20		18.8	94	(74-131)
1,4-Dichlorobenzene	20		19.5	98	(71-124)
1,2-Dibromoethane	20		18.7	94	(74-129)
1,2-Dichloroethane	20		18.3	92	(76-130)
4-Methyl-2-Pentanone	100		89.5	90	(71-140)
Methylcyclohexane	20		20	100	(71-125)
Toluene	20		19.5	98	(74-125)
Chlorobenzene	20		19.4	97	(76-123)
Cyclohexane	20		19.4	97	(67-132)
1,2,4-Trichlorobenzene	20		19.7	99	(62-129)
1,4-Dioxane	400		400	100	(50-150)
Dibromochloromethane	20		20.7	104	(74-131)
Tetrachloroethene	20		19.1	96	(46-157)
cis-1,2-Dichloroethene	20		19.3	97	(74-130)
trans-1,2-Dichloroethene	20		19.1	96	(72-132)
Methyl tert-butyl Ether	20		18.5	93	(72-136)
m/p-Xylenes	40		38.9	97	(74-126)
1,3-Dichlorobenzene	20		19.7	99	(70-125)
Carbon Tetrachloride	20		19.2	96	(71-134)
2-Hexanone	100		90.4	90	(62-153)
Acetone	100		110	110	(41-181)
Chloroform	20		18.9	95	(74-134)
Benzene	20		19.6	98	(75-125)
1,1,1-Trichloroethane	20		18.8	94	(74-133)
Bromomethane	20		24.3	121	(50-162)
Chloromethane	20		19.6	98	(58-139)
Bromochloromethane	20		21.7	109	(71-136)
Chloroethane	20		19.2	96	(54-160)
Vinyl Chloride	20		20.4	102	(65-137)
Methylene Chloride	20		18.8	94	(67-138)
Carbon Disulfide	20		18.8	94	(63-138)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Water VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1297 **SAS No :** E1297 **SDG No:** E1297

Matrix Spike - EPA Sample No : VN0213WBS01 **Analytical Method:** EPA SW846 8260 **Datafile :** VN004014.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Bromoform	20		21.7	109	(66-130)
Bromodichloromethane	20		19.6	98	(78-127)
1,1-Dichloroethane	20		19.3	97	(74-135)
1,1-Dichloroethene	20		19.4	97	(69-134)
Trichlorofluoromethane	20		18.6	93	(67-143)
Dichlorodifluoromethane	20		20.6	103	(46-139)
1,1,2-Trichlorotrifluoroethane	20		20.2	101	(71-136)
1,2-Dichloropropane	20		19.6	98	(76-125)
2-Butanone	100		94.5	95	(64-146)
1,1,2-Trichloroethane	20		19.5	98	(75-129)
Trichloroethene	20		19.1	96	(73-127)
Methyl Acetate	20		19.2	96	(51-158)
1,1,2,2-Tetrachloroethane	20		20.5	103	(66-131)
1,2,3-Trichlorobenzene	20		20.3	102	(58-130)
o-Xylene	20		19.2	96	(73-127)
1,2-Dichlorobenzene	20		19.6	98	(71-126)
1,2-Dibromo-3-Chloropropane	20		19.8	99	(62-134)
Isopropylbenzene	20		19.7	99	(70-127)

RPD : 0 Out of 52 outside limits

Spike Recovery : 0 Out of 52 outside limits

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD0213SBL01

Lab Name: CHEMTECH

Contract: SUST01

Lab Code: CHEM

Case No.: E1297

SAS No.: E1297

SDG NO.: E1297

Lab File ID: VD037344.D

Lab Sample ID: VD0213SBL01

Date Analyzed: 02/13/2013

Time Analyzed: 10:58

GC Column: RTX-VMS

ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD0213SBS01	VD0213SBS01	VD037345.D	02/13/2013
SB0-2	E1297-01	VD037358.D	02/13/2013
SB28-30	E1297-02	VD037359.D	02/13/2013
SBLOAM(5000-6000)MS	E1282-05MS	VD037360.D	02/13/2013
SBLOAM(5000-6000)MSD	E1282-05MSD	VD037361.D	02/13/2013

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0213WBL01

Lab Name: CHEMTECH

Contract: SUST01

Lab Code: CHEM

Case No.: E1297

SAS No.: E1297

SDG NO.: E1297

Lab File ID: VN004013.D

Lab Sample ID: VN0213WBL01

Date Analyzed: 02/13/2013

Time Analyzed: 14:11

GC Column: RXI-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0213WBS01	VN0213WBS01	VN004014.D	02/13/2013
TB	E1297-06	VN004017.D	02/13/2013
GW	E1297-03	VN004020.D	02/13/2013

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH
Contract: SUST01
Lab Code: CHEM
Case No.: E1297
SAS No.: E1297
SDG NO.: E1297
Lab File ID: VD037166.D
BFB Injection Date: 01/21/2013
Instrument ID: MSVOA_D
BFB Injection Time: 16:16
GC Column: RTX-VMS ID: 0.18 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.9
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.2
175	5.0 - 9.0% of mass 174	4.5 (6.7) 1
176	95.0 - 101.0% of mass 174	64.5 (96) 1
177	5.0 - 9.0% of mass 176	4.1 (6.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VD037167.D	01/21/2013	17:29
VSTDICC020	VSTDICC020	VD037168.D	01/21/2013	18:29
VSTDICCC050	VSTDICCC050	VD037169.D	01/21/2013	19:30
VSTDICC075	VSTDICC075	VD037170.D	01/21/2013	20:31
VSTDICC100	VSTDICC100	VD037171.D	01/21/2013	21:31
VSTDICC150	VSTDICC150	VD037172.D	01/21/2013	22:31

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH
Contract: SUST01
Lab Code: CHEM
Case No.: E1297
SAS No.: E1297
SDG NO.: E1297
Lab File ID: VD037342.D
BFB Injection Date: 02/13/2013
Instrument ID: MSVOA_D
BFB Injection Time: 08:45
GC Column: RTX-VMS ID: 0.18 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	28.5
75	30.0 - 60.0% of mass 95	50.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	5.1 (7.7) 1
176	95.0 - 101.0% of mass 174	63.9 (97.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VD037343.D	02/13/2013	09:57
VD0213SBL01	VD0213SBL01	VD037344.D	02/13/2013	10:58
VD0213SBS01	VD0213SBS01	VD037345.D	02/13/2013	11:35
SB0-2	E1297-01	VD037358.D	02/13/2013	18:46
SB28-30	E1297-02	VD037359.D	02/13/2013	19:17
SBLOAM(5000-6000)MS	E1282-05MS	VD037360.D	02/13/2013	19:47
SBLOAM(5000-6000)MSD	E1282-05MSD	VD037361.D	02/13/2013	20:17

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH
Contract: SUST01
Lab Code: CHEM
Case No.: E1297
SAS No.: E1297
SDG NO.: E1297
Lab File ID: VN003902.D
BFB Injection Date: 02/04/2013
Instrument ID: MSVOA_N
BFB Injection Time: 14:15
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	94.6
175	5.0 - 9.0% of mass 174	6.5 (6.8) 1
176	95.0 - 101.0% of mass 174	90.3 (95.4) 1
177	5.0 - 9.0% of mass 176	6 (6.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN003903.D	02/04/2013	14:52
VSTDICC005	VSTDICC005	VN003904.D	02/04/2013	15:20
VSTDICC020	VSTDICC020	VN003905.D	02/04/2013	15:48
VSTDICCC050	VSTDICCC050	VN003906.D	02/04/2013	16:16
VSTDICC100	VSTDICC100	VN003907.D	02/04/2013	16:43
VSTDICC200	VSTDICC200	VN003908.D	02/04/2013	17:11

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab File ID: VN004011.D BFB Injection Date: 02/13/2013

Instrument ID: MSVOA_N BFB Injection Time: 12:12

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.3
75	30.0 - 60.0% of mass 95	46.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (0.7) 1
174	50.0 - 100.0% of mass 95	93.2
175	5.0 - 9.0% of mass 174	6.9 (7.4) 1
176	95.0 - 101.0% of mass 174	90.2 (96.8) 1
177	5.0 - 9.0% of mass 176	5.5 (6.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN004012.D	02/13/2013	12:40
VN0213WBL01	VN0213WBL01	VN004013.D	02/13/2013	14:11
VN0213WBS01	VN0213WBS01	VN004014.D	02/13/2013	14:49
TB	E1297-06	VN004017.D	02/13/2013	16:41
GW	E1297-03	VN004020.D	02/13/2013	18:05

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab File ID: VD037343.D Date Analyzed: 02/13/2013

Instrument ID: MSVOA_D Time Analyzed: 09:57

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	321772	4.70	553747	5.41	478094	9.52
UPPER LIMIT	643544	5.2	1107490	5.91	956188	10.02
LOWER LIMIT	160886	4.2	276874	4.91	239047	9.02
EPA SAMPLE NO.						
SBLOAM(5000-6000)MS	260125	4.72	423808	5.43	364918	9.54
SBLOAM(5000-6000)MSD	269382	4.71	445100	5.42	373581	9.54
SB0-2	237707	4.72	405489	5.43	397936	9.54
SB28-30	247459	4.72	408114	5.43	410248	9.55
VD0213SBL01	340475	4.70	579534	5.42	467744	9.53
VD0213SBS01	312239	4.70	527498	5.41	433338	9.53

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab File ID: VD037343.D Date Analyzed: 02/13/2013

Instrument ID: MSVOA_D Time Analyzed: 09:57

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	197996	12.44				
UPPER LIMIT	395992	12.94				
LOWER LIMIT	98998	11.94				
EPA SAMPLE NO.						
SBLOAM(5000-6000)MS	139363	12.45				
SBLOAM(5000-6000)MSD	139438	12.45				
SB0-2	119516	12.45				
SB28-30	118954	12.47				
VD0213SBL01	141194	12.44				
VD0213SBS01	167886	12.45				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab File ID: VN004012.D Date Analyzed: 02/13/2013

Instrument ID: MSVOA_N Time Analyzed: 12:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1207790	7.87	1864510	8.79	1647060	11.61
UPPER LIMIT	2415580	8.37	3729010	9.29	3294120	12.11
LOWER LIMIT	603896	7.37	932253	8.29	823531	11.11
EPA SAMPLE NO.						
GW	1243260	7.87	1961810	8.79	1837080	11.61
TB	1259720	7.87	2000140	8.79	1861100	11.61
VN0213WBL01	1299680	7.87	2048380	8.79	1929720	11.61
VN0213WBS01	1229160	7.87	1816230	8.79	1598150	11.61

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab File ID: VN004012.D Date Analyzed: 02/13/2013

Instrument ID: MSVOA_N Time Analyzed: 12:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	822337	13.56				
UPPER LIMIT	1644670	14.06				
LOWER LIMIT	411169	13.06				
EPA SAMPLE NO.						
GW	947794	13.56				
TB	956330	13.56				
VN0213WBL01	985518	13.56				
VN0213WBS01	815117	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VD0213SBL01	SDG No.:	E1297
Lab Sample ID:	VD0213SBL01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037344.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.5	U	0.65	2.5	5	ug/Kg
74-87-3	Chloromethane	2.5	U	0.86	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	2.5	U	1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	2.5	U	2.5	2.5	5	ug/Kg
75-00-3	Chloroethane	2.5	U	1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	2.5	U	1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	U	1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	2.5	U	1.5	2.5	5	ug/Kg
67-64-1	Acetone	12.5	U	3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	2.5	U	1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.5	U	0.96	2.5	5	ug/Kg
79-20-9	Methyl Acetate	2.5	U	1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	2.5	U	1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.5	U	0.69	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	2.5	U	0.94	2.5	5	ug/Kg
110-82-7	Cyclohexane	2.5	U	1	2.5	5	ug/Kg
78-93-3	2-Butanone	12.5	U	3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	2.5	U	0.99	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.5	U	0.89	2.5	5	ug/Kg
74-97-5	Bromochloromethane	2.5	U	0.79	2.5	5	ug/Kg
67-66-3	Chloroform	2.5	U	0.74	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.5	U	0.88	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	2.5	U	1.1	2.5	5	ug/Kg
71-43-2	Benzene	2.5	U	0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	2.5	U	0.64	2.5	5	ug/Kg
79-01-6	Trichloroethene	2.5	U	0.86	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	2.5	U	0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	2.5	U	0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	2.9	12.5	25	ug/Kg
108-88-3	Toluene	2.5	U	0.64	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.5	U	0.79	2.5	5	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VD0213SBL01	SDG No.:	E1297
Lab Sample ID:	VD0213SBL01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037344.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.5	U	0.72	2.5	5	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.5	U	0.9	2.5	5	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.9	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	2.5	U	0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	2.5	U	0.64	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	2.5	U	1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	2.5	U	0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	5	U	0.72	5	10	ug/Kg
95-47-6	o-Xylene	2.5	U	0.68	2.5	5	ug/Kg
100-42-5	Styrene	2.5	U	0.45	2.5	5	ug/Kg
75-25-2	Bromoform	2.5	U	0.74	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	2.5	U	0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.5	U	0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.5	U	0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.5	U	0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	0.87	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.5	U	0.7	2.5	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
123-91-1	1,4-Dioxane	50	U	10	50	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.6		56 - 120		103%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		57 - 135		106%	SPK: 50
2037-26-5	Toluene-d8	49.5		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		33 - 141		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	340475	4.7				
540-36-3	1,4-Difluorobenzene	579534	5.42				
3114-55-4	Chlorobenzene-d5	467744	9.53				
3855-82-1	1,4-Dichlorobenzene-d4	141194	12.44				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VD0213SBL01	SDG No.:	E1297
Lab Sample ID:	VD0213SBL01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037344.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VN0213WBL01	SDG No.:	E1297
Lab Sample ID:	VN0213WBL01	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004013.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VN0213WBL01	SDG No.:	E1297
Lab Sample ID:	VN0213WBL01	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004013.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.4		61 - 141		95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		69 - 133		97%	SPK: 50
2037-26-5	Toluene-d8	48.9		65 - 126		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51		58 - 135		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1299680	7.868				
540-36-3	1,4-Difluorobenzene	2048380	8.787				
3114-55-4	Chlorobenzene-d5	1929720	11.611				
3855-82-1	1,4-Dichlorobenzene-d4	985518	13.562				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VN0213WBL01	SDG No.:	E1297
Lab Sample ID:	VN0213WBL01	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004013.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VD0213SBS01	SDG No.:	E1297
Lab Sample ID:	VD0213SBS01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037345.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18		0.65	2.5	5	ug/Kg
74-87-3	Chloromethane	21.1		0.86	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	17.4		1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	26.6		2.5	2.5	5	ug/Kg
75-00-3	Chloroethane	17.4		1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	19.8		1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	20		1.5	2.5	5	ug/Kg
67-64-1	Acetone	92		3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	17		1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.7		0.96	2.5	5	ug/Kg
79-20-9	Methyl Acetate	19.1		1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	19.6		1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.69	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	20		0.94	2.5	5	ug/Kg
110-82-7	Cyclohexane	18.3		1	2.5	5	ug/Kg
78-93-3	2-Butanone	99.8		3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	19.3		0.99	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.7		0.89	2.5	5	ug/Kg
74-97-5	Bromochloromethane	23.6		0.79	2.5	5	ug/Kg
67-66-3	Chloroform	19.3		0.74	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.6		0.88	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	18		1.1	2.5	5	ug/Kg
71-43-2	Benzene	19.1		0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	19.4		0.64	2.5	5	ug/Kg
79-01-6	Trichloroethene	19.7		0.86	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	19.2		0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	20		0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92		2.9	12.5	25	ug/Kg
108-88-3	Toluene	19.6		0.64	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.7		0.79	2.5	5	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VD0213SBS01	SDG No.:	E1297
Lab Sample ID:	VD0213SBS01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037345.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	18.3		0.72	2.5	5	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.9		0.9	2.5	5	ug/Kg
591-78-6	2-Hexanone	100		3.9	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	19.5		0.64	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	20.3		1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	20.5		0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	41		0.72	5	10	ug/Kg
95-47-6	o-Xylene	20.6		0.68	2.5	5	ug/Kg
100-42-5	Styrene	20.3		0.45	2.5	5	ug/Kg
75-25-2	Bromoform	20.6		0.74	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	22.9		0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.6		0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		0.87	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	11.5		0.7	2.5	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	12.3		0.5	2.5	5	ug/Kg
123-91-1	1,4-Dioxane	330		10	50	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.6		56 - 120		105%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		57 - 135		109%	SPK: 50
2037-26-5	Toluene-d8	53		67 - 123		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		33 - 141		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	312239	4.7				
540-36-3	1,4-Difluorobenzene	527498	5.41				
3114-55-4	Chlorobenzene-d5	433338	9.53				
3855-82-1	1,4-Dichlorobenzene-d4	167886	12.45				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VD0213SBS01	SDG No.:	E1297
Lab Sample ID:	VD0213SBS01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037345.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VN0213WBS01	SDG No.:	E1297
Lab Sample ID:	VN0213WBS01	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004014.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.6		0.2	0.5	1	ug/L
74-87-3	Chloromethane	19.6		0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	20.4		0.34	0.5	1	ug/L
74-83-9	Bromomethane	24.3		0.2	0.5	1	ug/L
75-00-3	Chloroethane	19.2		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.47	0.5	1	ug/L
67-64-1	Acetone	110		0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	18.8		0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	18.5		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	19.2		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	18.8		0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.36	0.5	1	ug/L
110-82-7	Cyclohexane	19.4		0.2	0.5	1	ug/L
78-93-3	2-Butanone	94.5		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	21.7		0.2	0.5	1	ug/L
67-66-3	Chloroform	18.9		0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	20		0.2	0.5	1	ug/L
71-43-2	Benzene	19.6		0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.48	0.5	1	ug/L
79-01-6	Trichloroethene	19.1		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	19.6		0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	89.5		2.1	2.5	5	ug/L
108-88-3	Toluene	19.5		0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	18.8		0.29	0.5	1	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VN0213WBS01	SDG No.:	E1297
Lab Sample ID:	VN0213WBS01	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004014.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	19.5		0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	19.5		0.38	0.5	1	ug/L
591-78-6	2-Hexanone	90.4		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	20.7		0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	18.7		0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	19.1		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	19.4		0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	19.2		0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	38.9		0.95	1	2	ug/L
95-47-6	o-Xylene	19.2		0.43	0.5	1	ug/L
100-42-5	Styrene	18.6		0.36	0.5	1	ug/L
75-25-2	Bromoform	21.7		0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	19.7		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.5		0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	19.5		0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.7		0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.3		0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	400		10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.8		61 - 141		98%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	51.4		65 - 126		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		58 - 135		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1229160	7.87				
540-36-3	1,4-Difluorobenzene	1816230	8.79				
3114-55-4	Chlorobenzene-d5	1598150	11.61				
3855-82-1	1,4-Dichlorobenzene-d4	815117	13.56				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VN0213WBS01	SDG No.:	E1297
Lab Sample ID:	VN0213WBS01	Matrix:	Water
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN004014.D	1		02/13/13	VN021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/06/13
Project:	Samoo Architects	Date Received:	02/12/13
Client Sample ID:	SBLOAM(5000-6000)MS	SDG No.:	E1297
Lab Sample ID:	E1282-05MS	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12.5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037360.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	58		0.74	2.85	5.7	ug/Kg
74-87-3	Chloromethane	55.3		0.98	2.85	5.7	ug/Kg
75-01-4	Vinyl Chloride	51.8		1.4	2.85	5.7	ug/Kg
74-83-9	Bromomethane	73.6		2.8	2.85	5.7	ug/Kg
75-00-3	Chloroethane	60.6		1.6	2.85	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	64.7		1.5	2.85	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	62.8		1.5	2.85	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	59		1.7	2.85	5.7	ug/Kg
67-64-1	Acetone	230		3.5	14.3	28.6	ug/Kg
75-15-0	Carbon Disulfide	54.1		1.2	2.85	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	59.2		1.1	2.85	5.7	ug/Kg
79-20-9	Methyl Acetate	83.6		1.7	2.85	5.7	ug/Kg
75-09-2	Methylene Chloride	58		1.6	2.85	5.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	60.9		0.79	2.85	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	59.1		1.1	2.85	5.7	ug/Kg
110-82-7	Cyclohexane	50.7		1.2	2.85	5.7	ug/Kg
78-93-3	2-Butanone	240		3.6	14.3	28.6	ug/Kg
56-23-5	Carbon Tetrachloride	66.9		1.1	2.85	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	61.3		1	2.85	5.7	ug/Kg
74-97-5	Bromochloromethane	58.1		0.9	2.85	5.7	ug/Kg
67-66-3	Chloroform	60.2		0.85	2.85	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	63.1		1	2.85	5.7	ug/Kg
108-87-2	Methylcyclohexane	55.8		1.2	2.85	5.7	ug/Kg
71-43-2	Benzene	61.8		0.43	2.85	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	64.4		0.73	2.85	5.7	ug/Kg
79-01-6	Trichloroethene	67.6		0.98	2.85	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	59.9		0.3	2.85	5.7	ug/Kg
75-27-4	Bromodichloromethane	65.2		0.71	2.85	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	280		3.3	14.3	28.6	ug/Kg
108-88-3	Toluene	65.8		0.73	2.85	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	63.4		0.9	2.85	5.7	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/06/13
Project:	Samoo Architects	Date Received:	02/12/13
Client Sample ID:	SBLOAM(5000-6000)MS	SDG No.:	E1297
Lab Sample ID:	E1282-05MS	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12.5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037360.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	61.8		0.82	2.85	5.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	63.7		1	2.85	5.7	ug/Kg
591-78-6	2-Hexanone	250		4.5	14.3	28.6	ug/Kg
124-48-1	Dibromochloromethane	67.9		0.62	2.85	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	63.9		0.73	2.85	5.7	ug/Kg
127-18-4	Tetrachloroethene	63.4		1.2	2.85	5.7	ug/Kg
108-90-7	Chlorobenzene	64.8		0.57	2.85	5.7	ug/Kg
100-41-4	Ethyl Benzene	63.9		0.71	2.85	5.7	ug/Kg
179601-23-1	m/p-Xylenes	130		0.82	5.7	11.4	ug/Kg
95-47-6	o-Xylene	64.8		0.78	2.85	5.7	ug/Kg
100-42-5	Styrene	64.2		0.51	2.85	5.7	ug/Kg
75-25-2	Bromoform	66.9		0.85	2.85	5.7	ug/Kg
98-82-8	Isopropylbenzene	68.4		0.55	2.85	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	66.2		0.53	2.85	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	63.8		0.42	2.85	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	61.8		0.47	2.85	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	64.6		0.71	2.85	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	51.7		0.99	2.85	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	40		0.8	2.85	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	37.7		0.57	2.85	5.7	ug/Kg
123-91-1	1,4-Dioxane	1100		11.4	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		56 - 120		100%	SPK: 50
1868-53-7	Dibromofluoromethane	52		57 - 135		104%	SPK: 50
2037-26-5	Toluene-d8	50		67 - 123		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		33 - 141		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	260125	4.72				
540-36-3	1,4-Difluorobenzene	423808	5.43				
3114-55-4	Chlorobenzene-d5	364918	9.54				
3855-82-1	1,4-Dichlorobenzene-d4	139363	12.45				

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/06/13
Project:	Samoo Architects	Date Received:	02/12/13
Client Sample ID:	SBLOAM(5000-6000)MS	SDG No.:	E1297
Lab Sample ID:	E1282-05MS	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12.5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037360.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/06/13
Project:	Samoo Architects	Date Received:	02/12/13
Client Sample ID:	SBLOAM(5000-6000)MSD	SDG No.:	E1297
Lab Sample ID:	E1282-05MSD	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12.5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037361.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	58		0.74	2.85	5.7	ug/Kg
74-87-3	Chloromethane	60.8		0.98	2.85	5.7	ug/Kg
75-01-4	Vinyl Chloride	56.9		1.4	2.85	5.7	ug/Kg
74-83-9	Bromomethane	72.8		2.8	2.85	5.7	ug/Kg
75-00-3	Chloroethane	61.9		1.6	2.85	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	67.2		1.5	2.85	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	60.9		1.5	2.85	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	63		1.7	2.85	5.7	ug/Kg
67-64-1	Acetone	230		3.5	14.3	28.6	ug/Kg
75-15-0	Carbon Disulfide	56.5		1.2	2.85	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	60.6		1.1	2.85	5.7	ug/Kg
79-20-9	Methyl Acetate	83.4		1.7	2.85	5.7	ug/Kg
75-09-2	Methylene Chloride	59.7		1.6	2.85	5.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	62.9		0.79	2.85	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	59.5		1.1	2.85	5.7	ug/Kg
110-82-7	Cyclohexane	55.8		1.2	2.85	5.7	ug/Kg
78-93-3	2-Butanone	240		3.6	14.3	28.6	ug/Kg
56-23-5	Carbon Tetrachloride	70.6		1.1	2.85	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	63.1		1	2.85	5.7	ug/Kg
74-97-5	Bromochloromethane	51.5		0.9	2.85	5.7	ug/Kg
67-66-3	Chloroform	63.4		0.85	2.85	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	65.3		1	2.85	5.7	ug/Kg
108-87-2	Methylcyclohexane	58.2		1.2	2.85	5.7	ug/Kg
71-43-2	Benzene	64.7		0.43	2.85	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	64.2		0.73	2.85	5.7	ug/Kg
79-01-6	Trichloroethene	66.6		0.98	2.85	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	64.1		0.3	2.85	5.7	ug/Kg
75-27-4	Bromodichloromethane	67.5		0.71	2.85	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	280		3.3	14.3	28.6	ug/Kg
108-88-3	Toluene	65.3		0.73	2.85	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	62.9		0.9	2.85	5.7	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/06/13
Project:	Samoo Architects	Date Received:	02/12/13
Client Sample ID:	SBLOAM(5000-6000)MSD	SDG No.:	E1297
Lab Sample ID:	E1282-05MSD	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12.5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037361.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	62.3		0.82	2.85	5.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	64.1		1	2.85	5.7	ug/Kg
591-78-6	2-Hexanone	270		4.5	14.3	28.6	ug/Kg
124-48-1	Dibromochloromethane	66.1		0.62	2.85	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	63.3		0.73	2.85	5.7	ug/Kg
127-18-4	Tetrachloroethene	66.8		1.2	2.85	5.7	ug/Kg
108-90-7	Chlorobenzene	67.2		0.57	2.85	5.7	ug/Kg
100-41-4	Ethyl Benzene	66.4		0.71	2.85	5.7	ug/Kg
179601-23-1	m/p-Xylenes	130		0.82	5.7	11.4	ug/Kg
95-47-6	o-Xylene	66.9		0.78	2.85	5.7	ug/Kg
100-42-5	Styrene	66.4		0.51	2.85	5.7	ug/Kg
75-25-2	Bromoform	69.6		0.85	2.85	5.7	ug/Kg
98-82-8	Isopropylbenzene	71.7		0.55	2.85	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	67.5		0.53	2.85	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	70		0.42	2.85	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	68.4		0.47	2.85	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	67.2		0.71	2.85	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	56.2		0.99	2.85	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	44.9		0.8	2.85	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	44		0.57	2.85	5.7	ug/Kg
123-91-1	1,4-Dioxane	1100		11.4	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51		56 - 120		102%	SPK: 50
1868-53-7	Dibromofluoromethane	55.8		57 - 135		112%	SPK: 50
2037-26-5	Toluene-d8	53.5		67 - 123		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		33 - 141		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	269382	4.71				
540-36-3	1,4-Difluorobenzene	445100	5.42				
3114-55-4	Chlorobenzene-d5	373581	9.54				
3855-82-1	1,4-Dichlorobenzene-d4	139438	12.45				

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/06/13
Project:	Samoo Architects	Date Received:	02/12/13
Client Sample ID:	SBLOAM(5000-6000)MSD	SDG No.:	E1297
Lab Sample ID:	E1282-05MSD	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12.5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD037361.D	1		02/13/13	VD021313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: MSVOA_D Calibration Date(s): 01/21/2013 01/21/2013

Heated Purge: (Y/N) Y Calibration Time(s): 17:29 22:31

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD037167.D RRF020 = VD037168.D RRF050 = VD037169.D
RRF075 = VD037170.D RRF100 = VD037171.D RRF150 = VD037172.D

COMPOUND	RRF005	RRF020	RRF050	RRF075	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.010	0.917	0.862	0.872	0.822	0.858	0.890	7.4
Chloromethane	1.408	1.433	1.472	1.598	1.583	1.774	1.545	8.8
Vinyl Chloride	1.086	1.016	1.043	1.039	0.997	1.046	1.038	2.9
Bromomethane	0.322	0.258	0.299	0.298	0.303	0.305	0.297	7.1
Chloroethane	0.509	0.457	0.495	0.463	0.433	0.415	0.462	7.7
Trichlorofluoromethane	1.115	1.071	1.104	1.082	1.018	1.030	1.070	3.6
1,1,2-Trichlorotrifluoroethane	0.793	0.761	0.803	0.789	0.779	0.755	0.780	2.4
1,1-Dichloroethene	0.696	0.665	0.669	0.658	0.623	0.635	0.658	4
Acetone	0.318	0.212	0.205	0.188	0.162	0.172	0.209	26.9
Carbon Disulfide	2.509	2.322	2.367	2.353	2.268	2.304	2.354	3.6
Methyl tert-butyl Ether	1.289	1.172	1.256	1.256	1.171	1.242	1.231	3.9
Methyl Acetate	0.685	0.566	0.454	0.475	0.466	0.516	0.527	16.6
Methylene Chloride	0.803	0.689	0.682	0.673	0.631	0.659	0.690	8.6
trans-1,2-Dichloroethene	0.779	0.762	0.771	0.798	0.707	0.745	0.760	4.1
1,1-Dichloroethane	1.322	1.318	1.359	1.366	1.258	1.289	1.319	3.1
Cyclohexane	1.378	1.365	1.391	1.413	1.278	1.367	1.365	3.4
2-Butanone	0.257	0.215	0.240	0.238	0.220	0.239	0.235	6.6
Carbon Tetrachloride	0.413	0.474	0.505	0.532	0.493	0.503	0.487	8.4
cis-1,2-Dichloroethene	0.780	0.765	0.796	0.757	0.737	0.762	0.766	2.6
Bromochloromethane	0.494	0.416	0.383	0.355	0.322	0.337	0.385	16.4
Chloroform	1.275	1.273	1.286	1.306	1.208	1.231	1.263	2.9
1,1,1-Trichloroethane	1.088	1.070	1.109	1.070	1.030	1.042	1.068	2.7
Methylcyclohexane	0.669	0.663	0.659	0.692	0.624	0.631	0.656	3.9
Benzene	1.398	1.447	1.479	1.485	1.348	1.408	1.427	3.7
1,2-Dichloroethane	0.471	0.417	0.444	0.449	0.409	0.422	0.435	5.4
Trichloroethene	0.416	0.434	0.444	0.456	0.407	0.418	0.429	4.3
1,2-Dichloropropane	0.385	0.401	0.412	0.420	0.390	0.400	0.401	3.3
Bromodichloromethane	0.470	0.500	0.530	0.540	0.502	0.522	0.511	5
4-Methyl-2-Pentanone	0.306	0.297	0.331	0.335	0.312	0.326	0.318	4.8
Toluene	0.953	0.983	0.963	0.975	0.884	0.889	0.941	4.7
t-1,3-Dichloropropene	0.378	0.436	0.480	0.496	0.451	0.471	0.452	9.2
cis-1,3-Dichloropropene	0.532	0.575	0.622	0.620	0.587	0.619	0.593	6
1,1,2-Trichloroethane	0.237	0.233	0.247	0.253	0.227	0.240	0.240	4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: MSVOA_D Calibration Date(s): 01/21/2013 01/21/2013

Heated Purge: (Y/N) Y Calibration Time(s): 17:29 22:31

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD037167.D RRF020 = VD037168.D RRF050 = VD037169.D
RRF075 = VD037170.D RRF100 = VD037171.D RRF150 = VD037172.D

COMPOUND	RRF005	RRF020	RRF050	RRF075	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Hexanone	0.227	0.223	0.267	0.252	0.214	0.211	0.232	9.7
Dibromochloromethane	0.263	0.283	0.311	0.325	0.298	0.315	0.299	7.7
1,2-Dibromoethane	0.235	0.242	0.248	0.268	0.231	0.250	0.246	5.4
Tetrachloroethene	0.402	0.401	0.390	0.401	0.370	0.378	0.390	3.5
Chlorobenzene	1.162	1.167	1.152	1.181	1.083	1.068	1.136	4.2
Ethyl Benzene	2.021	2.148	2.108	2.113	1.920	1.897	2.035	5.2
m/p-Xylenes	0.741	0.771	0.774	0.761	0.697	0.699	0.741	4.7
o-Xylene	0.733	0.709	0.738	0.720	0.685	0.680	0.711	3.4
Styrene	1.014	1.128	1.150	1.178	1.043	1.055	1.095	6
Bromoform	0.157	0.177	0.195	0.200	0.184	0.194	0.185	8.5
Isopropylbenzene	4.926	5.097	5.028	5.026	4.666	4.637	4.897	4
1,1,2,2-Tetrachloroethane	0.831	0.779	0.823	0.815	0.769	0.799	0.803	3.1
1,3-Dichlorobenzene	1.885	1.843	1.970	1.948	1.836	1.870	1.892	2.9
1,4-Dichlorobenzene	1.856	1.887	1.876	1.934	1.714	1.763	1.838	4.5
1,2-Dichlorobenzene	1.456	1.528	1.612	1.584	1.464	1.467	1.519	4.4
1,2-Dibromo-3-Chloropropane	0.074	0.084	0.112	0.114	0.104	0.110	0.100	16.8
1,2,4-Trichlorobenzene	0.111	0.480	0.821	0.863	0.890	0.973	0.690	47.9
1,2,3-Trichlorobenzene	0.083	0.280	0.537	0.610	0.596	0.666	0.462	49.7
1,2-Dichloroethane-d4	0.614	0.537	0.572	0.559	0.513	0.555	0.558	6.1
Dibromofluoromethane	0.360	0.370	0.378	0.373	0.343	0.339	0.361	4.5
Toluene-d8	1.205	1.230	1.250	1.265	1.153	1.170	1.212	3.7
4-Bromofluorobenzene	0.440	0.428	0.445	0.465	0.411	0.419	0.435	4.5
1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	9.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: MSVOA_N Calibration Date(s): 02/04/2013 02/04/2013

Heated Purge: (Y/N) N Calibration Time(s): 14:52 17:11

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN003903.D RRF005 = VN003904.D RRF020 = VN003905.D
RRF050 = VN003906.D RRF100 = VN003907.D RRF200 = VN003908.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.431	0.511	0.385	0.373	0.362	0.367	0.405	14.2
Chloromethane	0.480	0.516	0.416	0.401	0.390	0.395	0.433	12.1
Vinyl Chloride	0.451	0.544	0.454	0.437	0.426	0.432	0.457	9.6
Bromomethane	0.229	0.279	0.249	0.255	0.248	0.268	0.255	6.9
Chloroethane	0.285	0.321	0.274	0.268	0.259	0.262	0.278	8.2
Trichlorofluoromethane	0.709	0.846	0.720	0.696	0.687	0.693	0.725	8.3
1,1,2-Trichlorotrifluoroethane	0.414	0.454	0.400	0.384	0.370	0.374	0.399	7.9
1,1-Dichloroethene	0.373	0.455	0.396	0.387	0.377	0.387	0.396	7.6
Acetone	0.110	0.119	0.116	0.115	0.116	0.116	0.115	2.7
Carbon Disulfide	1.225	1.321	1.114	1.087	1.074	1.099	1.153	8.5
Methyl tert-butyl Ether	1.128	1.421	1.296	1.259	1.240	1.251	1.266	7.5
Methyl Acetate	0.390	0.438	0.425	0.413	0.416	0.422	0.417	3.8
Methylene Chloride	0.515	0.536	0.458	0.439	0.427	0.432	0.468	9.9
trans-1,2-Dichloroethene	0.437	0.511	0.445	0.434	0.426	0.429	0.447	7.2
1,1-Dichloroethane	0.696	0.861	0.767	0.753	0.736	0.744	0.759	7.2
Cyclohexane	1.436	0.921	0.693	0.651	0.625	0.621	0.825	38.8
2-Butanone	0.138	0.175	0.171	0.166	0.165	0.164	0.163	8.1
Carbon Tetrachloride	0.419	0.440	0.390	0.393	0.399	0.414	0.409	4.7
cis-1,2-Dichloroethene	0.493	0.575	0.520	0.505	0.495	0.500	0.515	6
Bromochloromethane	0.296	0.356	0.298	0.339	0.325	0.308	0.320	7.5
Chloroform	0.787	0.942	0.842	0.819	0.803	0.817	0.835	6.7
1,1,1-Trichloroethane	0.666	0.803	0.726	0.723	0.715	0.732	0.728	6.1
Methylcyclohexane	0.500	0.568	0.486	0.477	0.467	0.472	0.495	7.6
Benzene	1.142	1.336	1.179	1.161	1.135	1.153	1.184	6.4
1,2-Dichloroethane	0.407	0.493	0.436	0.428	0.419	0.421	0.434	7
Trichloroethene	0.368	0.406	0.352	0.352	0.348	0.351	0.363	6.2
1,2-Dichloropropane	0.295	0.331	0.295	0.291	0.285	0.290	0.298	5.5
Bromodichloromethane	0.354	0.426	0.391	0.400	0.403	0.419	0.398	6.4
4-Methyl-2-Pentanone	0.203	0.252	0.239	0.236	0.236	0.229	0.232	7
Toluene	0.730	0.847	0.752	0.748	0.741	0.756	0.762	5.6
t-1,3-Dichloropropene	0.355	0.431	0.412	0.432	0.447	0.467	0.424	9
cis-1,3-Dichloropropene	0.420	0.492	0.468	0.480	0.485	0.502	0.475	6.1
1,1,2-Trichloroethane	0.270	0.328	0.296	0.292	0.288	0.288	0.294	6.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: MSVOA_N Calibration Date(s): 02/04/2013 02/04/2013

Heated Purge: (Y/N) N Calibration Time(s): 14:52 17:11

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN003903.D RRF005 = VN003904.D RRF020 = VN003905.D
RRF050 = VN003906.D RRF100 = VN003907.D RRF200 = VN003908.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	% RSD
2-Hexanone	0.130	0.178	0.164	0.162	0.162	0.156	0.159	9.9
Dibromochloromethane	0.237	0.300	0.295	0.312	0.324	0.339	0.301	11.7
1,2-Dibromoethane	0.279	0.323	0.302	0.303	0.301	0.308	0.303	4.7
Tetrachloroethene	0.369	0.400	0.347	0.343	0.336	0.346	0.357	6.7
Chlorobenzene	0.995	1.113	0.992	0.983	0.977	1.001	1.010	5
Ethyl Benzene	1.589	1.850	1.634	1.617	1.598	1.636	1.654	5.9
m/p-Xylenes	0.616	0.712	0.633	0.631	0.626	0.637	0.642	5.4
o-Xylene	0.626	0.711	0.636	0.633	0.625	0.634	0.644	5.1
Styrene	0.921	1.095	1.025	1.027	1.020	1.033	1.020	5.5
Bromoform	0.162	0.202	0.207	0.232	0.249	0.261	0.219	16.5
Isopropylbenzene	3.085	3.613	3.234	3.195	3.185	3.370	3.280	5.7
1,1,2,2-Tetrachloroethane	0.629	0.788	0.752	0.736	0.730	0.737	0.728	7.3
1,3-Dichlorobenzene	1.570	1.764	1.599	1.589	1.568	1.594	1.614	4.6
1,4-Dichlorobenzene	1.618	1.816	1.606	1.587	1.563	1.594	1.631	5.7
1,2-Dichlorobenzene	1.528	1.766	1.554	1.542	1.502	1.511	1.567	6.3
1,2-Dibromo-3-Chloropropane	0.098	0.135	0.129	0.133	0.132	0.132	0.127	11.3
1,2,4-Trichlorobenzene	1.027	1.125	1.041	1.041	1.014	1.055	1.051	3.7
1,2,3-Trichlorobenzene	0.887	1.066	1.006	0.987	0.957	1.013	0.986	6.1
1,2-Dichloroethane-d4	0.500	0.570	0.503	0.551	0.532	0.524	0.530	5.1
Dibromofluoromethane	0.282	0.308	0.272	0.301	0.299	0.297	0.293	4.6
Toluene-d8	1.099	1.196	1.017	1.135	1.124	1.121	1.115	5.2
4-Bromofluorobenzene	0.449	0.446	0.373	0.414	0.409	0.392	0.414	7.2
1,4-Dioxane	0.003	0.004	0.004	0.004	0.003	0.003	0.003	13.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: MSVOA_D Calibration Date/Time: 02/13/2013 09:57

Lab File ID: VD037343.D Init. Calib. Date(s): 01/21/2013 01/21/2013

Heated Purge: (Y/N) Y Init. Calib. Time(s): 17:29 22:31

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.890	0.783		-12.02	20
Chloromethane	1.545	1.545	0.1	0	20
Vinyl Chloride	1.038	0.903		-13.01	20
Bromomethane	0.297	0.357		20.2	20
Chloroethane	0.462	0.406		-12.12	20
Trichlorofluoromethane	1.070	1.039		-2.9	20
1,1,2-Trichlorotrifluoroethane	0.780	0.762		-2.31	20
1,1-Dichloroethene	0.658	0.619		-5.93	20
Acetone	0.209	0.203		-2.87	20
Carbon Disulfide	2.354	1.952		-17.08	20
Methyl tert-butyl Ether	1.231	1.181		-4.06	20
Methyl Acetate	0.527	0.496		-5.88	20
Methylene Chloride	0.690	0.624		-9.56	20
trans-1,2-Dichloroethene	0.760	0.739		-2.76	20
1,1-Dichloroethane	1.319	1.302	0.1	-1.29	20
Cyclohexane	1.365	1.257		-7.91	20
2-Butanone	0.235	0.233		-0.85	20
Carbon Tetrachloride	0.487	0.489		0.41	20
cis-1,2-Dichloroethene	0.766	0.725		-5.35	20
Bromochloromethane	0.385	0.409		6.23	20
Chloroform	1.263	1.227		-2.85	20
1,1,1-Trichloroethane	1.068	1.058		-0.94	20
Methylcyclohexane	0.656	0.614		-6.4	20
Benzene	1.427	1.339		-6.17	20
1,2-Dichloroethane	0.435	0.411		-5.52	20
Trichloroethene	0.429	0.425		-0.93	20
1,2-Dichloropropane	0.401	0.368		-8.23	20
Bromodichloromethane	0.511	0.484		-5.28	20
4-Methyl-2-Pentanone	0.318	0.310		-2.52	20
Toluene	0.941	0.924		-1.81	20
t-1,3-Dichloropropene	0.452	0.444		-1.77	20
cis-1,3-Dichloropropene	0.593	0.580		-2.19	20
1,1,2-Trichloroethane	0.240	0.228		-5	20
2-Hexanone	0.232	0.264		13.79	20
Dibromochloromethane	0.299	0.289		-3.34	20
1,2-Dibromoethane	0.246	0.231		-6.1	20
Tetrachloroethene	0.390	0.376		-3.59	20
Chlorobenzene	1.136	1.127	0.3	-0.79	20
Ethyl Benzene	2.035	1.998		-1.82	20
m/p-Xylenes	0.741	0.714		-3.64	20
o-Xylene	0.711	0.692		-2.67	20
Styrene	1.095	1.102		0.64	20

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: MSVOA_D Calibration Date/Time: 02/13/2013 09:57

Lab File ID: VD037343.D Init. Calib. Date(s): 01/21/2013 01/21/2013

Heated Purge: (Y/N) Y Init. Calib. Time(s): 17:29 22:31

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF020	MIN RRF	%D	MAX%D
Bromoform	0.185	0.179	0.1	-3.24	20
Isopropylbenzene	4.897	4.713		-3.76	20
1,1,2,2-Tetrachloroethane	0.803	0.776	0.3	-3.36	20
1,3-Dichlorobenzene	1.892	1.826		-3.49	20
1,4-Dichlorobenzene	1.838	1.740		-5.33	20
1,2-Dichlorobenzene	1.519	1.488		-2.04	20
1,2-Dibromo-3-Chloropropane	0.100	0.080		-20	20
1,2,4-Trichlorobenzene	0.690	0.504		-26.96	20
1,2,3-Trichlorobenzene	0.462	0.333		-27.92	20
1,2-Dichloroethane-d4	0.558	0.618		10.75	20
Dibromofluoromethane	0.361	0.398		10.25	20
Toluene-d8	1.212	1.283		5.78	20
4-Bromofluorobenzene	0.435	0.463		6.44	20
1,4-Dioxane	0.002	0.001	0.05	-50	50

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: MSVOA_N Calibration Date/Time: 02/13/2013 12:40

Lab File ID: VN004012.D Init. Calib. Date(s): 02/04/2013 02/04/2013

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:52 17:11

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.405	0.442		9.14	20
Chloromethane	0.433	0.454	0.1	4.85	20
Vinyl Chloride	0.457	0.511		11.82	20
Bromomethane	0.255	0.324		27.06	20
Chloroethane	0.278	0.295		6.11	20
Trichlorofluoromethane	0.725	0.720		-0.69	20
1,1,2-Trichlorotrifluoroethane	0.399	0.418		4.76	20
1,1-Dichloroethene	0.396	0.417		5.3	20
Acetone	0.115	0.139		20.87	20
Carbon Disulfide	1.153	1.173		1.74	20
Methyl tert-butyl Ether	1.266	1.271		0.4	20
Methyl Acetate	0.417	0.436		4.56	20
Methylene Chloride	0.468	0.471		0.64	20
trans-1,2-Dichloroethene	0.447	0.463		3.58	20
1,1-Dichloroethane	0.759	0.794	0.1	4.61	20
Cyclohexane	0.825	0.685		-16.97	20
2-Butanone	0.163	0.171		4.91	20
Carbon Tetrachloride	0.409	0.414		1.22	20
cis-1,2-Dichloroethene	0.515	0.540		4.85	20
Bromochloromethane	0.320	0.342		6.88	20
Chloroform	0.835	0.855		2.39	20
1,1,1-Trichloroethane	0.728	0.749		2.88	20
Methylcyclohexane	0.495	0.499		0.81	20
Benzene	1.184	1.202		1.52	20
1,2-Dichloroethane	0.434	0.415		-4.38	20
Trichloroethene	0.363	0.356		-1.93	20
1,2-Dichloropropane	0.298	0.304		2.01	20
Bromodichloromethane	0.398	0.419		5.28	20
4-Methyl-2-Pentanone	0.232	0.221		-4.74	20
Toluene	0.762	0.767		0.66	20
t-1,3-Dichloropropene	0.424	0.446		5.19	20
cis-1,3-Dichloropropene	0.475	0.501		5.47	20
1,1,2-Trichloroethane	0.294	0.297		1.02	20
2-Hexanone	0.159	0.154		-3.14	20
Dibromochloromethane	0.301	0.342		13.62	20
1,2-Dibromoethane	0.303	0.303		0	20
Tetrachloroethene	0.357	0.345		-3.36	20
Chlorobenzene	1.010	1.013	0.3	0.3	20
Ethyl Benzene	1.654	1.635		-1.15	20
m/p-Xylenes	0.642	0.639		-0.47	20
o-Xylene	0.644	0.640		-0.62	20
Styrene	1.020	1.026		0.59	20

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: MSVOA_N Calibration Date/Time: 02/13/2013 12:40

Lab File ID: VN004012.D Init. Calib. Date(s): 02/04/2013 02/04/2013

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:52 17:11

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Bromoform	0.219	0.275	0.1	25.57	20
Isopropylbenzene	3.280	3.368		2.68	20
1,1,2,2-Tetrachloroethane	0.728	0.796	0.3	9.34	20
1,3-Dichlorobenzene	1.614	1.633		1.18	20
1,4-Dichlorobenzene	1.631	1.624		-0.43	20
1,2-Dichlorobenzene	1.567	1.600		2.11	20
1,2-Dibromo-3-Chloropropane	0.127	0.137		7.87	20
1,2,4-Trichlorobenzene	1.051	1.068		1.62	20
1,2,3-Trichlorobenzene	0.986	1.010		2.43	20
1,2-Dichloroethane-d4	0.530	0.531		0.19	20
Dibromofluoromethane	0.293	0.303		3.41	20
Toluene-d8	1.115	1.140		2.24	20
4-Bromofluorobenzene	0.414	0.407		-1.69	20
1,4-Dioxane	0.003	0.003	0.05	0	50

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	E1297	**OrderDate:**	2/13/2013 12:49:32 PM
Client:	Sustainable Management LLC	**Project:**	Samoo Architects
Contact:	Chunyuan Li	**Location:**	G32

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
E1297-01	**SB0-2**	**SOIL**			**02/12/13**			**02/13/13**
			SVOC-TCL BNA -20	8270D		02/14/13	02/14/13	
E1297-02	**SB28-30**	**SOIL**			**02/12/13**			**02/13/13**
			SVOC-TCL BNA -20	8270D		02/14/13	02/14/13	
E1297-03	**GW**	**Water**			**02/12/13**			**02/13/13**
			SVOC-TCL BNA -20	8270D		02/14/13	02/14/13	

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Hit Summary Sheet
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID : SB0-2										
E1297-01	SB0-2	SOIL	1-Triacontanol	*	160.000	J	0		0	ug/Kg
E1297-01	SB0-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	1,000.000	AB	0		0	ug/Kg
E1297-01	SB0-2	SOIL	4H-1-Benzopyran-4-one, 2-(3,4-dir	*	260.000	J	0		0	ug/Kg
E1297-01	SB0-2	SOIL	unknown3.68	*	2,700.000	JB	0		0	ug/Kg
			Total Tics :		**4,120.00**					
			Total Concentration:		**4,120.00**					
Client ID : SB28-30										
E1297-02	SB28-30	SOIL	1-Eicosanol	*	310.000	J	0		0	ug/Kg
E1297-02	SB28-30	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	1,600.000	AB	0		0	ug/Kg
E1297-02	SB28-30	SOIL	2-Pentanone, 4-methoxy-4-methyl-	*	110.000	J	0		0	ug/Kg
E1297-02	SB28-30	SOIL	Squalene	*	110.000	J	0		0	ug/Kg
E1297-02	SB28-30	SOIL	Tridecane, 1-iodo-	*	150.000	J	0		0	ug/Kg
E1297-02	SB28-30	SOIL	unknown3.68	*	3,900.000	JB	0		0	ug/Kg
			Total Tics :		**6,180.00**					
			Total Concentration:		**6,180.00**					
Client ID : GW										
E1297-03	GW	WATER	1,2-Benzenedicarboxylic acid, bis(	*	7.100	J	0		0	ug/L
E1297-03	GW	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	11.900	AB	0		0	ug/L
E1297-03	GW	WATER	2-Pentanone, 4-methoxy-4-methyl-	*	2.200	JB	0		0	ug/L
E1297-03	GW	WATER	unknown3.68	*	77.100	JB	0		0	ug/L
			Total Tics :		**98.30**					
			Total Concentration:		**98.30**					

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2	SDG No.:	E1297
Lab Sample ID:	E1297-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	18.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060648.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	200	U	21.2	200	400	ug/Kg
108-95-2	Phenol	200	U	9.4	200	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	200	U	19.5	200	400	ug/Kg
95-57-8	2-Chlorophenol	200	U	21.5	200	400	ug/Kg
95-48-7	2-Methylphenol	200	U	22.1	200	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	16.8	200	400	ug/Kg
98-86-2	Acetophenone	200	U	12.4	200	400	ug/Kg
65794-96-9	3+4-Methylphenols	200	U	21.1	200	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	200	U	20.5	200	400	ug/Kg
67-72-1	Hexachloroethane	200	U	18.2	200	400	ug/Kg
98-95-3	Nitrobenzene	200	U	15.4	200	400	ug/Kg
78-59-1	Isophorone	200	U	13.4	200	400	ug/Kg
88-75-5	2-Nitrophenol	200	U	19.6	200	400	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	23	200	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	200	U	23.4	200	400	ug/Kg
120-83-2	2,4-Dichlorophenol	200	U	15.5	200	400	ug/Kg
91-20-3	Naphthalene	200	U	14	200	400	ug/Kg
106-47-8	4-Chloroaniline	200	U	28.7	200	400	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	14.8	200	400	ug/Kg
105-60-2	Caprolactam	200	U	18.9	200	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	18	200	400	ug/Kg
91-57-6	2-Methylnaphthalene	200	U	10.2	200	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	9.9	200	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	200	U	12.4	200	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	200	U	28.5	200	400	ug/Kg
92-52-4	1,1-Biphenyl	200	U	15.4	200	400	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	9.3	200	400	ug/Kg
88-74-4	2-Nitroaniline	200	U	18	200	400	ug/Kg
131-11-3	Dimethylphthalate	200	U	11	200	400	ug/Kg
208-96-8	Acenaphthylene	200	U	10.2	200	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	16.6	200	400	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2	SDG No.:	E1297
Lab Sample ID:	E1297-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	18.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060648.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	200	U	26.1	200	400	ug/Kg
83-32-9	Acenaphthene	200	U	11.5	200	400	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	41.3	200	400	ug/Kg
100-02-7	4-Nitrophenol	200	U	75.5	200	400	ug/Kg
132-64-9	Dibenzofuran	200	U	15.9	200	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	200	U	12.3	200	400	ug/Kg
84-66-2	Diethylphthalate	200	U	6.3	200	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	200	U	22.1	200	400	ug/Kg
86-73-7	Fluorene	200	U	15.4	200	400	ug/Kg
100-01-6	4-Nitroaniline	200	U	52.9	200	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	23.3	200	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	U	9.8	200	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	7.9	200	400	ug/Kg
118-74-1	Hexachlorobenzene	200	U	16.6	200	400	ug/Kg
1912-24-9	Atrazine	200	U	21.5	200	400	ug/Kg
87-86-5	Pentachlorophenol	200	U	27.8	200	400	ug/Kg
85-01-8	Phenanthrene	200	U	11	200	400	ug/Kg
120-12-7	Anthracene	200	U	8.3	200	400	ug/Kg
86-74-8	Carbazole	200	U	8.9	200	400	ug/Kg
84-74-2	Di-n-butylphthalate	200	U	31.9	200	400	ug/Kg
206-44-0	Fluoranthene	200	U	8.2	200	400	ug/Kg
129-00-0	Pyrene	200	U	9.8	200	400	ug/Kg
85-68-7	Butylbenzylphthalate	200	U	19.5	200	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	26.1	200	400	ug/Kg
56-55-3	Benzo(a)anthracene	200	U	19.4	200	400	ug/Kg
218-01-9	Chrysene	200	U	18.4	200	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	U	14.4	200	400	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	4.6	200	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	U	13.3	200	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	200	U	19.1	200	400	ug/Kg
50-32-8	Benzo(a)pyrene	200	U	8.8	200	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	U	13.5	200	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200	U	11.7	200	400	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2	SDG No.:	E1297
Lab Sample ID:	E1297-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	18.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060648.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	200	U	16.5	200	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	16	200	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	16	200	400	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.6		28 - 127		52%	SPK: 150
13127-88-3	Phenol-d6	82.1		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	57		31 - 132		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.8		39 - 123		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.7		30 - 133		46%	SPK: 150
1718-51-0	Terphenyl-d14	51		37 - 115		51%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	94134	3.88				
1146-65-2	Naphthalene-d8	372709	5				
15067-26-2	Acenaphthene-d10	184538	6.68				
1517-22-2	Phenanthrene-d10	307045	8.33				
1719-03-5	Chrysene-d12	255355	11.51				
1520-96-3	Perylene-d12	216427	13.41				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1000	AB			2.47	ug/Kg
	unknown3.68	2700	JB			3.68	ug/Kg
000593-50-0	1-Triacontanol	160	J			11.39	ug/Kg
002306-27-6	4H-1-Benzopyran-4-one, 2-(3,4-dime	260	J			15.01	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30	SDG No.:	E1297
Lab Sample ID:	E1297-02	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	22.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060651.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	210	U	22.3	210	420	ug/Kg
108-95-2	Phenol	210	U	9.9	210	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	210	U	20.5	210	420	ug/Kg
95-57-8	2-Chlorophenol	210	U	22.6	210	420	ug/Kg
95-48-7	2-Methylphenol	210	U	23.2	210	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	17.7	210	420	ug/Kg
98-86-2	Acetophenone	210	U	13.1	210	420	ug/Kg
65794-96-9	3+4-Methylphenols	210	U	22.2	210	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	210	U	21.6	210	420	ug/Kg
67-72-1	Hexachloroethane	210	U	19.1	210	420	ug/Kg
98-95-3	Nitrobenzene	210	U	16.2	210	420	ug/Kg
78-59-1	Isophorone	210	U	14.1	210	420	ug/Kg
88-75-5	2-Nitrophenol	210	U	20.7	210	420	ug/Kg
105-67-9	2,4-Dimethylphenol	210	U	24.3	210	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	210	U	24.6	210	420	ug/Kg
120-83-2	2,4-Dichlorophenol	210	U	16.3	210	420	ug/Kg
91-20-3	Naphthalene	210	U	14.8	210	420	ug/Kg
106-47-8	4-Chloroaniline	210	U	30.2	210	420	ug/Kg
87-68-3	Hexachlorobutadiene	210	U	15.5	210	420	ug/Kg
105-60-2	Caprolactam	210	U	19.9	210	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	210	U	19	210	420	ug/Kg
91-57-6	2-Methylnaphthalene	210	U	10.8	210	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	10.4	210	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	210	U	13.1	210	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	210	U	30	210	420	ug/Kg
92-52-4	1,1-Biphenyl	210	U	16.2	210	420	ug/Kg
91-58-7	2-Chloronaphthalene	210	U	9.8	210	420	ug/Kg
88-74-4	2-Nitroaniline	210	U	19	210	420	ug/Kg
131-11-3	Dimethylphthalate	210	U	11.5	210	420	ug/Kg
208-96-8	Acenaphthylene	210	U	10.8	210	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	210	U	17.5	210	420	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30	SDG No.:	E1297
Lab Sample ID:	E1297-02	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	22.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060651.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	210	U	27.5	210	420	ug/Kg
83-32-9	Acenaphthene	210	U	12.1	210	420	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	43.5	210	420	ug/Kg
100-02-7	4-Nitrophenol	210	U	79.4	210	420	ug/Kg
132-64-9	Dibenzofuran	210	U	16.7	210	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	U	13	210	420	ug/Kg
84-66-2	Diethylphthalate	210	U	6.7	210	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	U	23.2	210	420	ug/Kg
86-73-7	Fluorene	210	U	16.2	210	420	ug/Kg
100-01-6	4-Nitroaniline	210	U	55.7	210	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	24.5	210	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	210	U	10.3	210	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	210	U	8.3	210	420	ug/Kg
118-74-1	Hexachlorobenzene	210	U	17.5	210	420	ug/Kg
1912-24-9	Atrazine	210	U	22.6	210	420	ug/Kg
87-86-5	Pentachlorophenol	210	U	29.3	210	420	ug/Kg
85-01-8	Phenanthrene	210	U	11.5	210	420	ug/Kg
120-12-7	Anthracene	210	U	8.7	210	420	ug/Kg
86-74-8	Carbazole	210	U	9.4	210	420	ug/Kg
84-74-2	Di-n-butylphthalate	210	U	33.6	210	420	ug/Kg
206-44-0	Fluoranthene	210	U	8.6	210	420	ug/Kg
129-00-0	Pyrene	210	U	10.3	210	420	ug/Kg
85-68-7	Butylbenzylphthalate	210	U	20.5	210	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	27.5	210	420	ug/Kg
56-55-3	Benzo(a)anthracene	210	U	20.4	210	420	ug/Kg
218-01-9	Chrysene	210	U	19.4	210	420	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	210	U	15.1	210	420	ug/Kg
117-84-0	Di-n-octyl phthalate	210	U	4.9	210	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	U	14	210	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	210	U	20.1	210	420	ug/Kg
50-32-8	Benzo(a)pyrene	210	U	9.2	210	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	210	U	14.2	210	420	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	U	12.3	210	420	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30	SDG No.:	E1297
Lab Sample ID:	E1297-02	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	22.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060651.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	210	U	17.3	210	420	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	16.8	210	420	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	210	U	16.8	210	420	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110		28 - 127		73%	SPK: 150
13127-88-3	Phenol-d6	110		34 - 127		76%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.4		31 - 132		78%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		39 - 123		79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.8		30 - 133		67%	SPK: 150
1718-51-0	Terphenyl-d14	75.6		37 - 115		76%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	94910	3.88				
1146-65-2	Naphthalene-d8	375838	5				
15067-26-2	Acenaphthene-d10	190017	6.68				
1517-22-2	Phenanthrene-d10	304761	8.33				
1719-03-5	Chrysene-d12	257173	11.51				
1520-96-3	Perylene-d12	223189	13.4				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1600	AB			2.47	ug/Kg
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	110	J			3.04	ug/Kg
	unknown3.68	3900	JB			3.68	ug/Kg
035599-77-0	Tridecane, 1-iodo-	150	J			8.22	ug/Kg
000629-96-9	1-Eicosanol	310	J			11.39	ug/Kg
007683-64-9	Squalene	110	J			12.68	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-03	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060652.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	5.2	U	0.8	5.2	10.4	ug/L
108-95-2	Phenol	5.2	U	0.22	5.2	10.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.2	U	0.57	5.2	10.4	ug/L
95-57-8	2-Chlorophenol	5.2	U	0.56	5.2	10.4	ug/L
95-48-7	2-Methylphenol	5.2	UQ	0.25	5.2	10.4	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.2	U	0.18	5.2	10.4	ug/L
98-86-2	Acetophenone	5.2	U	0.15	5.2	10.4	ug/L
65794-96-9	3+4-Methylphenols	5.2	U	0.4	5.2	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	5.2	U	0.21	5.2	10.4	ug/L
67-72-1	Hexachloroethane	5.2	U	0.26	5.2	10.4	ug/L
98-95-3	Nitrobenzene	5.2	U	0.71	5.2	10.4	ug/L
78-59-1	Isophorone	5.2	U	0.31	5.2	10.4	ug/L
88-75-5	2-Nitrophenol	5.2	U	0.54	5.2	10.4	ug/L
105-67-9	2,4-Dimethylphenol	5.2	U	0.74	5.2	10.4	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.2	U	0.57	5.2	10.4	ug/L
120-83-2	2,4-Dichlorophenol	5.2	U	0.69	5.2	10.4	ug/L
91-20-3	Naphthalene	5.2	U	0.13	5.2	10.4	ug/L
106-47-8	4-Chloroaniline	5.2	U	3	5.2	10.4	ug/L
87-68-3	Hexachlorobutadiene	5.2	U	0.26	5.2	10.4	ug/L
105-60-2	Caprolactam	5.2	U	2.1	5.2	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	5.2	U	0.42	5.2	10.4	ug/L
91-57-6	2-Methylnaphthalene	5.2	U	0.33	5.2	10.4	ug/L
77-47-4	Hexachlorocyclopentadiene	5.2	U	0.25	5.2	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	5.2	U	0.58	5.2	10.4	ug/L
95-95-4	2,4,5-Trichlorophenol	5.2	U	0.42	5.2	10.4	ug/L
92-52-4	1,1-Biphenyl	5.2	U	0.16	5.2	10.4	ug/L
91-58-7	2-Chloronaphthalene	5.2	U	0.17	5.2	10.4	ug/L
88-74-4	2-Nitroaniline	5.2	U	0.51	5.2	10.4	ug/L
131-11-3	Dimethylphthalate	5.2	U	0.23	5.2	10.4	ug/L
208-96-8	Acenaphthylene	5.2	U	0.73	5.2	10.4	ug/L
606-20-2	2,6-Dinitrotoluene	5.2	U	0.33	5.2	10.4	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-03	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060652.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5.2	U	1.1	5.2	10.4	ug/L
83-32-9	Acenaphthene	5.2	U	0.22	5.2	10.4	ug/L
51-28-5	2,4-Dinitrophenol	5.2	U	2.2	5.2	10.4	ug/L
100-02-7	4-Nitrophenol	5.2	U	2.1	5.2	10.4	ug/L
132-64-9	Dibenzofuran	5.2	U	0.25	5.2	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	5.2	U	1.1	5.2	10.4	ug/L
84-66-2	Diethylphthalate	5.2	U	0.4	5.2	10.4	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.2	U	0.22	5.2	10.4	ug/L
86-73-7	Fluorene	5.2	U	0.32	5.2	10.4	ug/L
100-01-6	4-Nitroaniline	5.2	U	1.4	5.2	10.4	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	5.2	U	0.77	5.2	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	5.2	U	0.63	5.2	10.4	ug/L
101-55-3	4-Bromophenyl-phenylether	5.2	U	0.24	5.2	10.4	ug/L
118-74-1	Hexachlorobenzene	5.2	U	0.19	5.2	10.4	ug/L
1912-24-9	Atrazine	5.2	U	0.42	5.2	10.4	ug/L
87-86-5	Pentachlorophenol	5.2	U	1.8	5.2	10.4	ug/L
85-01-8	Phenanthrene	5.2	U	0.27	5.2	10.4	ug/L
120-12-7	Anthracene	5.2	U	0.17	5.2	10.4	ug/L
86-74-8	Carbazole	5.2	U	0.23	5.2	10.4	ug/L
84-74-2	Di-n-butylphthalate	5.2	U	2.1	5.2	10.4	ug/L
206-44-0	Fluoranthene	5.2	U	0.42	5.2	10.4	ug/L
129-00-0	Pyrene	5.2	U	0.21	5.2	10.4	ug/L
85-68-7	Butylbenzylphthalate	5.2	U	0.2	5.2	10.4	ug/L
91-94-1	3,3-Dichlorobenzidine	5.2	U	2.1	5.2	10.4	ug/L
56-55-3	Benzo(a)anthracene	5.2	U	0.17	5.2	10.4	ug/L
218-01-9	Chrysene	5.2	U	0.19	5.2	10.4	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.2	U	0.17	5.2	10.4	ug/L
117-84-0	Di-n-octyl phthalate	5.2	U	0.53	5.2	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	5.2	U	0.3	5.2	10.4	ug/L
207-08-9	Benzo(k)fluoranthene	5.2	U	0.19	5.2	10.4	ug/L
50-32-8	Benzo(a)pyrene	5.2	U	0.15	5.2	10.4	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.2	U	0.16	5.2	10.4	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.2	U	0.44	5.2	10.4	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-03	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060652.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5.2	U	0.3	5.2	10.4	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.2	U	0.21	5.2	10.4	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.2	U	0.21	5.2	10.4	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	50.4		10 - 130		34%	SPK: 150
13127-88-3	Phenol-d6	32.6		10 - 130		22%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.9		36 - 131		77%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.6		39 - 131		83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100		25 - 155		68%	SPK: 150
1718-51-0	Terphenyl-d14	77.6		23 - 130		78%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	101495	3.88				
1146-65-2	Naphthalene-d8	408056	5				
15067-26-2	Acenaphthene-d10	200622	6.68				
1517-22-2	Phenanthrene-d10	333414	8.33				
1719-03-5	Chrysene-d12	279585	11.51				
1520-96-3	Perylene-d12	240457	13.41				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	11.9	AB			2.47	ug/L
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	2.2	JB			3.04	ug/L
	unknown3.68	77.1	JB			3.68	ug/L
000084-69-5	1,2-Benzenedicarboxylic acid, bis(	7.1	J			8.56	ug/L

QC SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Surrogate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
E1297-03	GW	2-Fluorophenol	150	50.44	34		10	130
		Phenol-d6	150	32.61	22		10	130
		Nitrobenzene-d5	100	76.86	77		36	131
		2-Fluorobiphenyl	100	82.57	83		39	131
		2,4,6-Tribromophenol	150	102.37	68		25	155
		Terphenyl-d14	100	77.64	78		23	130
PB68348BL	PB68348BL	2-Fluorophenol	150	110.50	74		10	130
		Phenol-d6	150	114.39	76		10	130
		Nitrobenzene-d5	100	82.62	83		36	131
		2-Fluorobiphenyl	100	87.73	88		39	131
		2,4,6-Tribromophenol	150	105.99	71		25	155
		Terphenyl-d14	100	88.67	89		23	130
PB68348BS	PB68348BS	2-Fluorophenol	150	122.64	82		10	130
		Phenol-d6	150	127.49	85		10	130
		Nitrobenzene-d5	100	89.82	90		36	131
		2-Fluorobiphenyl	100	92.52	93		39	131
		2,4,6-Tribromophenol	150	119.96	80		25	155
		Terphenyl-d14	100	94.54	95		23	130
PB68348BSD	PB68348BSD	2-Fluorophenol	150	122.14	81		10	130
		Phenol-d6	150	126.47	84		10	130
		Nitrobenzene-d5	100	88.48	88		36	131
		2-Fluorobiphenyl	100	92.96	93		39	131
		2,4,6-Tribromophenol	150	118.41	79		25	155
		Terphenyl-d14	100	93.26	93		23	130

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Surrogate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
E1297-01	SB0-2	2-Fluorophenol	150	77.61	52		28	127
		Phenol-d6	150	82.13	55		34	127
		Nitrobenzene-d5	100	57.01	57		31	132
		2-Fluorobiphenyl	100	55.84	56		39	123
		2,4,6-Tribromophenol	150	69.67	46		30	133
		Terphenyl-d14	100	50.96	51		37	115
E1297-01MS	SB0-2MS	2-Fluorophenol	150	111.81	75		28	127
		Phenol-d6	150	116.00	77		34	127
		Nitrobenzene-d5	100	83.97	84		31	132
		2-Fluorobiphenyl	100	83.38	83		39	123
		2,4,6-Tribromophenol	150	104.08	69		30	133
		Terphenyl-d14	100	84.89	85		37	115
E1297-01MSD	SB0-2MSD	2-Fluorophenol	150	106.60	71		28	127
		Phenol-d6	150	111.68	74		34	127
		Nitrobenzene-d5	100	80.96	81		31	132
		2-Fluorobiphenyl	100	78.40	78		39	123
		2,4,6-Tribromophenol	150	98.78	66		30	133
		Terphenyl-d14	100	80.20	80		37	115
E1297-02	SB28-30	2-Fluorophenol	150	109.33	73		28	127
		Phenol-d6	150	114.37	76		34	127
		Nitrobenzene-d5	100	78.39	78		31	132
		2-Fluorobiphenyl	100	78.80	79		39	123
		2,4,6-Tribromophenol	150	99.79	67		30	133
		Terphenyl-d14	100	75.58	76		37	115
PB68354BL	PB68354BL	2-Fluorophenol	150	124.19	83		28	127
		Phenol-d6	150	128.82	86		34	127
		Nitrobenzene-d5	100	89.18	89		31	132
		2-Fluorobiphenyl	100	94.00	94		39	123
		2,4,6-Tribromophenol	150	116.07	77		30	133
		Terphenyl-d14	100	96.30	96		37	115
PB68354BS	PB68354BS	2-Fluorophenol	150	127.05	85		28	127
		Phenol-d6	150	130.27	87		34	127
		Nitrobenzene-d5	100	92.61	93		31	132
		2-Fluorobiphenyl	100	93.57	94		39	123
		2,4,6-Tribromophenol	150	117.13	78		30	133
		Terphenyl-d14	100	95.77	96		37	115

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: E1297-01MS	**Client Sample ID:**	**SB0-2MS**					**DataFile:**	**BF060649.D**			
Benzaldehyde	2000	0	420	ug/Kg	21				10	105	
Phenol	2000	0	1600	ug/Kg	80				40	115	
bis(2-Chloroethyl)ether	2000	0	1700	ug/Kg	85				48	110	
2-Chlorophenol	2000	0	1700	ug/Kg	85				39	115	
2-Methylphenol	2000	0	1800	ug/Kg	90				48	111	
2,2-oxybis(1-Chloropropane)	2000	0	1600	ug/Kg	80				43	116	
Acetophenone	2000	0	1700	ug/Kg	85				46	122	
3+4-Methylphenols	2000	0	1700	ug/Kg	85				46	115	
N-Nitroso-di-n-propylamine	2000	0	1700	ug/Kg	85				37	128	
Hexachloroethane	2000	0	1600	ug/Kg	80				37	117	
Nitrobenzene	2000	0	1500	ug/Kg	75				45	117	
Isophorone	2000	0	1500	ug/Kg	75				44	121	
2-Nitrophenol	2000	0	1800	ug/Kg	90				32	123	
2,4-Dimethylphenol	2000	0	1800	ug/Kg	90				45	118	
bis(2-Chloroethoxy)methane	2000	0	1700	ug/Kg	85				47	117	
2,4-Dichlorophenol	2000	0	1700	ug/Kg	85				37	122	
Naphthalene	2000	0	1700	ug/Kg	85				42	121	
4-Chloroaniline	2000	0	1200	ug/Kg	60				10	130	
Hexachlorobutadiene	2000	0	1600	ug/Kg	80				49	111	
Caprolactam	2000	0	1700	ug/Kg	85				26	133	
4-Chloro-3-methylphenol	2000	0	1600	ug/Kg	80				46	115	
2-Methylnaphthalene	2000	0	1600	ug/Kg	80				45	118	
Hexachlorocyclopentadiene	4100	0	4000	ug/Kg	98				10	127	
2,4,6-Trichlorophenol	2000	0	1700	ug/Kg	85				36	122	
2,4,5-Trichlorophenol	2000	0	1600	ug/Kg	80				33	125	
1,1-Biphenyl	2000	0	1700	ug/Kg	85				47	119	
2-Chloronaphthalene	2000	0	1600	ug/Kg	80				52	110	
2-Nitroaniline	2000	0	1700	ug/Kg	85				45	121	
Dimethylphthalate	2000	0	1700	ug/Kg	85				39	127	
Acenaphthylene	2000	0	1700	ug/Kg	85				45	117	
2,6-Dinitrotoluene	2000	0	1400	ug/Kg	70				50	114	
3-Nitroaniline	2000	0	1400	ug/Kg	70				12	108	
Acenaphthene	2000	0	1600	ug/Kg	80				45	118	
2,4-Dinitrophenol	4100	0	2200	ug/Kg	54				10	126	
4-Nitrophenol	4100	0	3300	ug/Kg	80				18	141	
Dibenzofuran	2000	0	1600	ug/Kg	80				45	118	
2,4-Dinitrotoluene	2000	0	1400	ug/Kg	70				44	120	
Diethylphthalate	2000	0	1600	ug/Kg	80				50	113	
4-Chlorophenyl-phenylether	2000	0	1600	ug/Kg	80				51	111	
Fluorene	2000	0	1700	ug/Kg	85				41	121	
4-Nitroaniline	2000	0	1600	ug/Kg	80				38	113	
4,6-Dinitro-2-methylphenol	2000	0	1600	ug/Kg	80				10	142	
N-Nitrosodiphenylamine	2000	0	1700	ug/Kg	85				45	122	
4-Bromophenyl-phenylether	2000	0	1500	ug/Kg	75				51	114	
Hexachlorobenzene	2000	0	1500	ug/Kg	75				48	114	
Atrazine	2000	0	1800	ug/Kg	90				40	129	
Pentachlorophenol	4100	0	3000	ug/Kg	73				15	145	

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Phenanthrene	2000	0	1600	ug/Kg	80				29	138	
Anthracene	2000	0	1700	ug/Kg	85				45	120	
Carbazole	2000	0	1700	ug/Kg	85				43	122	
Di-n-butylphthalate	2000	0	1700	ug/Kg	85				51	115	
Fluoranthene	2000	0	1600	ug/Kg	80				33	133	
Pyrene	2000	0	1700	ug/Kg	85				31	135	
Butylbenzylphthalate	2000	0	1800	ug/Kg	90				49	121	
3,3-Dichlorobenzidine	2000	0	970	ug/Kg	49				10	105	
Benzo(a)anthracene	2000	0	1700	ug/Kg	85				35	132	
Chrysene	2000	0	1700	ug/Kg	85				34	131	
bis(2-Ethylhexyl)phthalate	2000	0	1900	ug/Kg	95				42	127	
Di-n-octyl phthalate	2000	0	1900	ug/Kg	95				50	123	
Benzo(b)fluoranthene	2000	0	1600	ug/Kg	80				35	128	
Benzo(k)fluoranthene	2000	0	1600	ug/Kg	80				39	117	
Benzo(a)pyrene	2000	0	1700	ug/Kg	85				35	129	
Indeno(1,2,3-cd)pyrene	2000	0	1700	ug/Kg	85				30	140	
Dibenz(a,h)anthracene	2000	0	1600	ug/Kg	80				18	147	
Benzo(g,h,i)perylene	2000	0	1600	ug/Kg	80				31	132	
1,2,4,5-Tetrachlorobenzene	2000	0	1600	ug/Kg	80				52	122	
2,3,4,6-Tetrachlorophenol	2000	0	1600	ug/Kg	80				52	109	

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: E1297-01MSD	**Client Sample ID:**		**SB0-2MSD**				**DataFile:**	**BF060650.D**			
Benzaldehyde	2000	0	410	ug/Kg	21		0		10	105	20
Phenol	2000	0	1600	ug/Kg	80		0		40	115	20
bis(2-Chloroethyl)ether	2000	0	1600	ug/Kg	80		6		48	110	20
2-Chlorophenol	2000	0	1600	ug/Kg	80		6		39	115	20
2-Methylphenol	2000	0	1800	ug/Kg	90		0		48	111	20
2,2-oxybis(1-Chloropropane)	2000	0	1600	ug/Kg	80		0		43	116	20
Acetophenone	2000	0	1700	ug/Kg	85		0		46	122	20
3+4-Methylphenols	2000	0	1600	ug/Kg	80		6		46	115	20
N-Nitroso-di-n-propylamine	2000	0	1700	ug/Kg	85		0		37	128	20
Hexachloroethane	2000	0	1600	ug/Kg	80		0		37	117	20
Nitrobenzene	2000	0	1400	ug/Kg	70		7		45	117	20
Isophorone	2000	0	1500	ug/Kg	75		0		44	121	20
2-Nitrophenol	2000	0	1800	ug/Kg	90		0		32	123	20
2,4-Dimethylphenol	2000	0	1700	ug/Kg	85		6		45	118	20
bis(2-Chloroethoxy)methane	2000	0	1600	ug/Kg	80		6		47	117	20
2,4-Dichlorophenol	2000	0	1700	ug/Kg	85		0		37	122	20
Naphthalene	2000	0	1600	ug/Kg	80		6		42	121	20
4-Chloroaniline	2000	0	1200	ug/Kg	60		0		10	130	20
Hexachlorobutadiene	2000	0	1500	ug/Kg	75		6		49	111	20
Caprolactam	2000	0	1700	ug/Kg	85		0		26	133	20
4-Chloro-3-methylphenol	2000	0	1600	ug/Kg	80		0		46	115	20
2-Methylnaphthalene	2000	0	1600	ug/Kg	80		0		45	118	20
Hexachlorocyclopentadiene	4100	0	3900	ug/Kg	95		3		10	127	20
2,4,6-Trichlorophenol	2000	0	1700	ug/Kg	85		0		36	122	20
2,4,5-Trichlorophenol	2000	0	1500	ug/Kg	75		6		33	125	20
1,1-Biphenyl	2000	0	1700	ug/Kg	85		0		47	119	20
2-Chloronaphthalene	2000	0	1600	ug/Kg	80		0		52	110	20
2-Nitroaniline	2000	0	1600	ug/Kg	80		6		45	121	20
Dimethylphthalate	2000	0	1700	ug/Kg	85		0		39	127	20
Acenaphthylene	2000	0	1600	ug/Kg	80		6		45	117	20
2,6-Dinitrotoluene	2000	0	1400	ug/Kg	70		0		50	114	20
3-Nitroaniline	2000	0	1300	ug/Kg	65		7		12	108	20
Acenaphthene	2000	0	1500	ug/Kg	75		6		45	118	20
2,4-Dinitrophenol	4100	0	1900	ug/Kg	46		16		10	126	20
4-Nitrophenol	4100	0	3200	ug/Kg	78		3		18	141	20
Dibenzofuran	2000	0	1600	ug/Kg	80		0		45	118	20
2,4-Dinitrotoluene	2000	0	1400	ug/Kg	70		0		44	120	20
Diethylphthalate	2000	0	1600	ug/Kg	80		0		50	113	20
4-Chlorophenyl-phenylether	2000	0	1500	ug/Kg	75		6		51	111	20
Fluorene	2000	0	1600	ug/Kg	80		6		41	121	20
4-Nitroaniline	2000	0	1500	ug/Kg	75		6		38	113	20
4,6-Dinitro-2-methylphenol	2000	0	1600	ug/Kg	80		0		10	142	20
N-Nitrosodiphenylamine	2000	0	1700	ug/Kg	85		0		45	122	20
4-Bromophenyl-phenylether	2000	0	1500	ug/Kg	75		0		51	114	20
Hexachlorobenzene	2000	0	1500	ug/Kg	75		0		48	114	20
Atrazine	2000	0	1700	ug/Kg	85		6		40	129	20
Pentachlorophenol	4100	0	2900	ug/Kg	71		3		15	145	20

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Phenanthrene	2000	0	1600	ug/Kg	80		0		29	138	20
Anthracene	2000	0	1600	ug/Kg	80		6		45	120	20
Carbazole	2000	0	1600	ug/Kg	80		6		43	122	20
Di-n-butylphthalate	2000	0	1600	ug/Kg	80		6		51	115	20
Fluoranthene	2000	0	1600	ug/Kg	80		0		33	133	20
Pyrene	2000	0	1600	ug/Kg	80		6		31	135	20
Butylbenzylphthalate	2000	0	1700	ug/Kg	85		6		49	121	20
3,3-Dichlorobenzidine	2000	0	940	ug/Kg	47		4		10	105	20
Benzo(a)anthracene	2000	0	1600	ug/Kg	80		6		35	132	20
Chrysene	2000	0	1700	ug/Kg	85		0		34	131	20
bis(2-Ethylhexyl)phthalate	2000	0	1800	ug/Kg	90		5		42	127	20
Di-n-octyl phthalate	2000	0	1900	ug/Kg	95		0		50	123	20
Benzo(b)fluoranthene	2000	0	1600	ug/Kg	80		0		35	128	20
Benzo(k)fluoranthene	2000	0	1600	ug/Kg	80		0		39	117	20
Benzo(a)pyrene	2000	0	1700	ug/Kg	85		0		35	129	20
Indeno(1,2,3-cd)pyrene	2000	0	1600	ug/Kg	80		6		30	140	20
Dibenz(a,h)anthracene	2000	0	1600	ug/Kg	80		0		18	147	20
Benzo(g,h,i)perylene	2000	0	1600	ug/Kg	80		0		31	132	20
1,2,4,5-Tetrachlorobenzene	2000	0	1600	ug/Kg	80		0		52	122	20
2,3,4,6-Tetrachlorophenol	2000	0	1500	ug/Kg	75		6		52	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D **DataFile:** BF060654.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68354BS	Benzaldehyde	1700	350	ug/Kg	21				10	95	
	Phenol	1700	1500	ug/Kg	88				51	101	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				55	99	
	2-Chlorophenol	1700	1500	ug/Kg	88				53	100	
	2-Methylphenol	1700	1600	ug/Kg	94				49	105	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				52	104	
	Acetophenone	1700	1500	ug/Kg	88				50	111	
	3+4-Methylphenols	1700	1500	ug/Kg	88				52	102	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				51	104	
	Hexachloroethane	1700	1500	ug/Kg	88				54	97	
	Nitrobenzene	1700	1300	ug/Kg	76				51	104	
	Isophorone	1700	1300	ug/Kg	76				55	101	
	2-Nitrophenol	1700	1600	ug/Kg	94				52	105	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				53	103	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				55	101	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				54	103	
	Naphthalene	1700	1500	ug/Kg	88				53	103	
	4-Chloroaniline	1700	810	ug/Kg	48				10	130	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				50	106	
	Caprolactam	1700	1600	ug/Kg	94				49	106	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				55	101	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				55	102	
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				38	122	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				56	103	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				56	103	
	1,1-Biphenyl	1700	1500	ug/Kg	88				56	107	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				56	102	
	2-Nitroaniline	1700	1500	ug/Kg	88				54	103	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	111	
	Acenaphthylene	1700	1500	ug/Kg	88				57	101	
	2,6-Dinitrotoluene	1700	1300	ug/Kg	76				59	100	
	3-Nitroaniline	1700	840	ug/Kg	49				10	130	
	Acenaphthene	1700	1400	ug/Kg	82				57	102	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				32	114	
	4-Nitrophenol	3300	2900	ug/Kg	88				48	114	
	Dibenzofuran	1700	1500	ug/Kg	88				57	100	
	2,4-Dinitrotoluene	1700	1300	ug/Kg	76				58	102	
	Diethylphthalate	1700	1400	ug/Kg	82				56	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				57	101	
	Fluorene	1700	1500	ug/Kg	88				57	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				49	99	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				44	119	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				57	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				57	105	
	Hexachlorobenzene	1700	1500	ug/Kg	88				54	106	
	Atrazine	1700	1700	ug/Kg	100				50	113	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D **DataFile:** BF060654.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68354BS	Pentachlorophenol	3300	2800	ug/Kg	85				49	116	
	Phenanthrene	1700	1600	ug/Kg	94				58	101	
	Anthracene	1700	1600	ug/Kg	94				57	102	
	Carbazole	1700	1500	ug/Kg	88				57	102	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				57	103	
	Fluoranthene	1700	1500	ug/Kg	88				56	102	
	Pyrene	1700	1600	ug/Kg	94				56	106	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				57	106	
	3,3-Dichlorobenzidine	1700	560	ug/Kg	33				10	92	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				56	103	
	Chrysene	1700	1600	ug/Kg	94				58	102	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				57	106	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				56	107	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				56	103	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				55	102	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				57	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				50	113	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				52	119	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				56	105	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				33	136	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				47	120	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D **DataFile:** BF060656.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68348BS	Benzaldehyde	50	11.5	ug/L	23				10	109	
	Phenol	50	44.1	ug/L	88				10	130	
	bis(2-Chloroethyl)ether	50	46.8	ug/L	94				46	116	
	2-Chlorophenol	50	45.4	ug/L	91				40	105	
	2-Methylphenol	50	49.5	ug/L	99		*		32	94	
	2,2-oxybis(1-Chloropropane)	50	44	ug/L	88				60	113	
	Acetophenone	50	45.8	ug/L	92				64	120	
	3+4-Methylphenols	50	45.5	ug/L	91				24	91	
	N-Nitroso-di-n-propylamine	50	47.1	ug/L	94				61	115	
	Hexachloroethane	50	46.7	ug/L	93				52	104	
	Nitrobenzene	50	40.3	ug/L	81				49	120	
	Isophorone	50	40.4	ug/L	81				65	114	
	2-Nitrophenol	50	48.5	ug/L	97				57	116	
	2,4-Dimethylphenol	50	48.6	ug/L	97				43	108	
	bis(2-Chloroethoxy)methane	50	44.9	ug/L	90				65	111	
	2,4-Dichlorophenol	50	46.5	ug/L	93				49	113	
	Naphthalene	50	45.2	ug/L	90				61	107	
	4-Chloroaniline	50	25.1	ug/L	50				10	93	
	Hexachlorobutadiene	50	43.2	ug/L	86				35	120	
	Caprolactam	50	46.6	ug/L	93				10	130	
	4-Chloro-3-methylphenol	50	43.6	ug/L	87				51	109	
	2-Methylnaphthalene	50	45.9	ug/L	92				63	110	
	Hexachlorocyclopentadiene	100	110	ug/L	110				42	121	
	2,4,6-Trichlorophenol	50	47	ug/L	94				62	114	
	2,4,5-Trichlorophenol	50	44.1	ug/L	88				58	116	
	1,1-Biphenyl	50	47.7	ug/L	95				65	117	
	2-Chloronaphthalene	50	45.7	ug/L	91				65	111	
	2-Nitroaniline	50	45.4	ug/L	91				63	119	
	Dimethylphthalate	50	44	ug/L	88				68	112	
	Acenaphthylene	50	46.1	ug/L	92				65	110	
	2,6-Dinitrotoluene	50	39.6	ug/L	79				68	115	
	3-Nitroaniline	50	27.7	ug/L	55				16	104	
	Acenaphthene	50	44.6	ug/L	89				66	114	
	2,4-Dinitrophenol	100	77.1	ug/L	77				35	129	
	4-Nitrophenol	100	89.2	ug/L	89				10	130	
	Dibenzofuran	50	45.1	ug/L	90				66	111	
	2,4-Dinitrotoluene	50	38.3	ug/L	77				65	119	
	Diethylphthalate	50	43.9	ug/L	88				66	116	
	4-Chlorophenyl-phenylether	50	42.8	ug/L	86				66	113	
	Fluorene	50	45.6	ug/L	91				66	112	
	4-Nitroaniline	50	41.6	ug/L	83				53	115	
	4,6-Dinitro-2-methylphenol	50	45.9	ug/L	92				47	137	
	N-Nitrosodiphenylamine	50	47.6	ug/L	95				65	116	
	4-Bromophenyl-phenylether	50	43.6	ug/L	87				66	119	
	Hexachlorobenzene	50	44.3	ug/L	89				57	121	
	Atrazine	50	48.9	ug/L	98				53	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D **DataFile:** BF060656.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68348BS	Pentachlorophenol	100	84.8	ug/L	85				51	128	
	Phenanthrene	50	46	ug/L	92				68	112	
	Anthracene	50	47.5	ug/L	95				69	112	
	Carbazole	50	45.5	ug/L	91				65	115	
	Di-n-butylphthalate	50	47.1	ug/L	94				67	117	
	Fluoranthene	50	45.8	ug/L	92				67	115	
	Pyrene	50	47.3	ug/L	95				67	116	
	Butylbenzylphthalate	50	49.5	ug/L	99				66	121	
	3,3-Dichlorobenzidine	50	18.7	ug/L	37				13	119	
	Benzo(a)anthracene	50	46.7	ug/L	93				64	117	
	Chrysene	50	47.6	ug/L	95				65	116	
	bis(2-Ethylhexyl)phthalate	50	49.5	ug/L	99				61	123	
	Di-n-octyl phthalate	50	53	ug/L	106				63	123	
	Benzo(b)fluoranthene	50	46.9	ug/L	94				62	122	
	Benzo(k)fluoranthene	50	47.8	ug/L	96				60	123	
	Benzo(a)pyrene	50	49.5	ug/L	99				65	118	
	Indeno(1,2,3-cd)pyrene	50	47.2	ug/L	94				50	133	
	Dibenz(a,h)anthracene	50	47.7	ug/L	95				45	150	
	Benzo(g,h,i)perylene	50	47.9	ug/L	96				64	123	
	1,2,4,5-Tetrachlorobenzene	50	45.7	ug/L	91				60	105	
	2,3,4,6-Tetrachlorophenol	50	43.3	ug/L	87				66	110	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D **DataFile:** BF060657.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68348BSD	Benzaldehyde	50	10.8	ug/L	22	6			10	109	20
	Phenol	50	44.3	ug/L	89	0			10	130	20
	bis(2-Chloroethyl)ether	50	46	ug/L	92	2			46	116	20
	2-Chlorophenol	50	45.7	ug/L	91	1			40	105	20
	2-Methylphenol	50	49.3	ug/L	99	0	*		32	94	20
	2,2-oxybis(1-Chloropropane)	50	44.4	ug/L	89	1			60	113	20
	Acetophenone	50	45.6	ug/L	91	0			64	120	20
	3+4-Methylphenols	50	45	ug/L	90	1			24	91	20
	N-Nitroso-di-n-propylamine	50	47.5	ug/L	95	1			61	115	20
	Hexachloroethane	50	46.8	ug/L	94	0			52	104	20
	Nitrobenzene	50	39.6	ug/L	79	2			49	120	20
	Isophorone	50	40.2	ug/L	80	0			65	114	20
	2-Nitrophenol	50	47.8	ug/L	96	1			57	116	20
	2,4-Dimethylphenol	50	47.7	ug/L	95	2			43	108	20
	bis(2-Chloroethoxy)methane	50	43.9	ug/L	88	2			65	111	20
	2,4-Dichlorophenol	50	46	ug/L	92	1			49	113	20
	Naphthalene	50	44.5	ug/L	89	2			61	107	20
	4-Chloroaniline	50	25.2	ug/L	50	0			10	93	20
	Hexachlorobutadiene	50	43.9	ug/L	88	2			35	120	20
	Caprolactam	50	46.6	ug/L	93	0			10	130	20
	4-Chloro-3-methylphenol	50	42.9	ug/L	86	2			51	109	20
	2-Methylnaphthalene	50	45	ug/L	90	2			63	110	20
	Hexachlorocyclopentadiene	100	120	ug/L	120	9			42	121	20
	2,4,6-Trichlorophenol	50	48.8	ug/L	98	4			62	114	20
	2,4,5-Trichlorophenol	50	43.5	ug/L	87	1			58	116	20
	1,1-Biphenyl	50	48	ug/L	96	1			65	117	20
	2-Chloronaphthalene	50	46.5	ug/L	93	2			65	111	20
	2-Nitroaniline	50	46.9	ug/L	94	3			63	119	20
	Dimethylphthalate	50	45.2	ug/L	90	3			68	112	20
	Acenaphthylene	50	46.8	ug/L	94	2			65	110	20
	2,6-Dinitrotoluene	50	39.7	ug/L	79	0			68	115	20
	3-Nitroaniline	50	26.8	ug/L	54	3			16	104	20
	Acenaphthene	50	45	ug/L	90	1			66	114	20
	2,4-Dinitrophenol	100	81.9	ug/L	82	6			35	129	20
	4-Nitrophenol	100	92.8	ug/L	93	4			10	130	20
	Dibenzofuran	50	46.1	ug/L	92	2			66	111	20
	2,4-Dinitrotoluene	50	39.9	ug/L	80	4			65	119	20
	Diethylphthalate	50	44.9	ug/L	90	2			66	116	20
	4-Chlorophenyl-phenylether	50	44.9	ug/L	90	5			66	113	20
	Fluorene	50	47	ug/L	94	3			66	112	20
	4-Nitroaniline	50	42.6	ug/L	85	2			53	115	20
	4,6-Dinitro-2-methylphenol	50	47.5	ug/L	95	3			47	137	20
	N-Nitrosodiphenylamine	50	47.8	ug/L	96	0			65	116	20
	4-Bromophenyl-phenylether	50	44.4	ug/L	89	2			66	119	20
	Hexachlorobenzene	50	43.6	ug/L	87	2			57	121	20
	Atrazine	50	49.2	ug/L	98	1			53	130	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: 8270D **DataFile:** BF060657.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68348BSD	Pentachlorophenol	100	88	ug/L	88	4			51	128	20
	Phenanthrene	50	46.2	ug/L	92	0			68	112	20
	Anthracene	50	47.6	ug/L	95	0			69	112	20
	Carbazole	50	46.1	ug/L	92	1			65	115	20
	Di-n-butylphthalate	50	47.6	ug/L	95	1			67	117	20
	Fluoranthene	50	46.1	ug/L	92	1			67	115	20
	Pyrene	50	47.4	ug/L	95	0			67	116	20
	Butylbenzylphthalate	50	49.7	ug/L	99	0			66	121	20
	3,3-Dichlorobenzidine	50	18.3	ug/L	37	2			13	119	20
	Benzo(a)anthracene	50	46.6	ug/L	93	0			64	117	20
	Chrysene	50	47.8	ug/L	96	0			65	116	20
	bis(2-Ethylhexyl)phthalate	50	49.8	ug/L	100	1			61	123	20
	Di-n-octyl phthalate	50	53	ug/L	106	0			63	123	20
	Benzo(b)fluoranthene	50	47.9	ug/L	96	2			62	122	20
	Benzo(k)fluoranthene	50	47	ug/L	94	2			60	123	20
	Benzo(a)pyrene	50	49.9	ug/L	100	1			65	118	20
	Indeno(1,2,3-cd)pyrene	50	47.7	ug/L	95	1			50	133	20
	Dibenz(a,h)anthracene	50	48.5	ug/L	97	2			45	150	20
	Benzo(g,h,i)perylene	50	48.5	ug/L	97	1			64	123	20
	1,2,4,5-Tetrachlorobenzene	50	46.7	ug/L	93	2			60	105	20
	2,3,4,6-Tetrachlorophenol	50	44.3	ug/L	89	2			66	110	20

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SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB68348BL

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab File ID: BF060655.D Lab Sample ID: PB68348BL

Instrument ID: BNA_F Date Extracted: 02/14/2013

Matrix: (soil/water) Water Date Analyzed: 02/14/2013

Level: (low/med) LOW Time Analyzed: 16:23

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB68348BS	PB68348BS	BF060656.D	02/14/2013
PB68348BSD	PB68348BSD	BF060657.D	02/14/2013
GW	E1297-03	BF060652.D	02/14/2013

COMMENTS:

Form IV SV

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB68354BL

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab File ID: BF060653.D Lab Sample ID: PB68354BL

Instrument ID: BNA_F Date Extracted: 02/14/2013

Matrix: (soil/water) SOIL Date Analyzed: 02/14/2013

Level: (low/med) LOW Time Analyzed: 15:32

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB68354BS	PB68354BS	BF060654.D	02/14/2013
SB0-2	E1297-01	BF060648.D	02/14/2013
SB0-2MS	E1297-01MS	BF060649.D	02/14/2013
SB0-2MSD	E1297-01MSD	BF060650.D	02/14/2013
SB28-30	E1297-02	BF060651.D	02/14/2013

COMMENTS:

Form IV SV

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM SAS No.: E1297 SDG NO.: E1297

Lab File ID: BF060501.D DFTPP Injection Date: 02/05/2013

Instrument ID: BNA_F DFTPP Injection Time: 15:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	54.2
68	Less than 2.0% of mass 69	0.4 (1) 1
69	Mass 69 relative abundance	42.6
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	52.7
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	20.4
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	11.8
442	Greater than 50% of mass 198	71
443	15.0 - 24.0% of mass 442	13.6 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC010	SSTDICC010	BF060503.D	02/05/2013	16:37
SSTDICC025	SSTDICC025	BF060504.D	02/05/2013	17:03
SSTDICCC040	SSTDICCC040	BF060505.D	02/05/2013	17:29
SSTDICC050	SSTDICC050	BF060506.D	02/05/2013	17:55
SSTDICC060	SSTDICC060	BF060507.D	02/05/2013	18:21
SSTDICC080	SSTDICC080	BF060508.D	02/05/2013	18:46

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM SAS No.: E1297 SDG NO.: E1297

Lab File ID: BF060646.D DFTPP Injection Date: 02/14/2013

Instrument ID: BNA_F DFTPP Injection Time: 12:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	50.8
68	Less than 2.0% of mass 69	0.3 (0.6) 1
69	Mass 69 relative abundance	39.3
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	51
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	21.7
365	Greater than 1% of mass 198	2.2
441	Present, but less than mass 443	11.1
442	Greater than 50% of mass 198	66.1
443	15.0 - 24.0% of mass 442	13.8 (20.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF060647.D	02/14/2013	12:49
SB0-2	E1297-01	BF060648.D	02/14/2013	13:23
SB0-2MS	E1297-01MS	BF060649.D	02/14/2013	13:50
SB0-2MSD	E1297-01MSD	BF060650.D	02/14/2013	14:15
SB28-30	E1297-02	BF060651.D	02/14/2013	14:41
GW	E1297-03	BF060652.D	02/14/2013	15:06
PB68354BL	PB68354BL	BF060653.D	02/14/2013	15:32
PB68354BS	PB68354BS	BF060654.D	02/14/2013	15:57
PB68348BL	PB68348BL	BF060655.D	02/14/2013	16:23
PB68348BS	PB68348BS	BF060656.D	02/14/2013	16:49
PB68348BSD	PB68348BSD	BF060657.D	02/14/2013	17:15

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/14/2013

Lab File ID: BF060647.D Time Analyzed: 12:49

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	97417	3.88	364695	5	189534	6.68
	UPPER LIMIT	194834	4.38	729390	5.5	379068	7.18
	LOWER LIMIT	48708.5	3.38	182348	4.5	94767	6.18
	EPA SAMPLE NO.						
01	SB0-2	94134	3.88	372709	5.00	184538	6.68
02	SB0-2MS	93362	3.88	351044	5.00	175657	6.68
03	SB0-2MSD	96988	3.88	362971	5.00	183809	6.68
04	SB28-30	94910	3.88	375838	5.00	190017	6.68
05	GW	101495	3.88	408056	5.00	200622	6.68
06	PB68348BL	102672	3.88	392354	5.00	193903	6.68
07	PB68348BS	97352	3.88	369965	5.00	182758	6.68
08	PB68348BSD	99194	3.88	381018	5.00	183000	6.68
09	PB68354BL	95986	3.88	382719	5.00	191729	6.68
10	PB68354BS	96314	3.88	367971	5.00	185142	6.68

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/14/2013

Lab File ID: BF060647.D Time Analyzed: 12:49

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	317038	8.34	270643	11.52	237068	13.41
	UPPER LIMIT	634076	8.84	541286	12.02	474136	13.91
	LOWER LIMIT	158519	7.84	135322	11.02	118534	12.91
	EPA SAMPLE NO.						
01	SB0-2	307045	8.33	255355	11.51	216427	13.41
02	SB0-2MS	285719	8.33	236611	11.52	209718	13.41
03	SB0-2MSD	298868	8.33	249493	11.52	218921	13.41
04	SB28-30	304761	8.33	257173	11.51	223189	13.40
05	GW	333414	8.33	279585	11.51	240457	13.41
06	PB68348BL	313025	8.33	259477	11.51	219268	13.41
07	PB68348BS	295968	8.33	252152	11.52	219117	13.41
08	PB68348BSD	300965	8.34	257516	11.52	222847	13.41
09	PB68354BL	307692	8.33	253015	11.51	219224	13.41
10	PB68354BS	291752	8.34	248584	11.52	212586	13.41

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68348BL	SDG No.:	E1297
Lab Sample ID:	PB68348BL	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060655.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	5	U	0.77	5	10	ug/L
108-95-2	Phenol	5	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	5	U	0.55	5	10	ug/L
95-57-8	2-Chlorophenol	5	U	0.54	5	10	ug/L
95-48-7	2-Methylphenol	5	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5	U	0.17	5	10	ug/L
98-86-2	Acetophenone	5	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	5	U	0.38	5	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	5	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	5	U	0.25	5	10	ug/L
98-95-3	Nitrobenzene	5	U	0.68	5	10	ug/L
78-59-1	Isophorone	5	U	0.3	5	10	ug/L
88-75-5	2-Nitrophenol	5	U	0.52	5	10	ug/L
105-67-9	2,4-Dimethylphenol	5	U	0.71	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5	U	0.55	5	10	ug/L
120-83-2	2,4-Dichlorophenol	5	U	0.66	5	10	ug/L
91-20-3	Naphthalene	5	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	5	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	5	U	0.25	5	10	ug/L
105-60-2	Caprolactam	5	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	5	U	0.4	5	10	ug/L
91-57-6	2-Methylnaphthalene	5	U	0.32	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	5	U	0.56	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	5	U	0.4	5	10	ug/L
92-52-4	1,1-Biphenyl	5	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	5	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	5	U	0.49	5	10	ug/L
131-11-3	Dimethylphthalate	5	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	5	U	0.7	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	5	U	0.32	5	10	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68348BL	SDG No.:	E1297
Lab Sample ID:	PB68348BL	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060655.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	5	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	5	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	5	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	5	U	1	5	10	ug/L
84-66-2	Diethylphthalate	5	U	0.38	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5	U	0.21	5	10	ug/L
86-73-7	Fluorene	5	U	0.31	5	10	ug/L
100-01-6	4-Nitroaniline	5	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	5	U	0.74	5	10	ug/L
86-30-6	n-Nitrosodiphenylamine	5	U	0.6	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	5	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	5	U	0.18	5	10	ug/L
1912-24-9	Atrazine	5	U	0.4	5	10	ug/L
87-86-5	Pentachlorophenol	5	U	1.7	5	10	ug/L
85-01-8	Phenanthrene	5	U	0.26	5	10	ug/L
120-12-7	Anthracene	5	U	0.16	5	10	ug/L
86-74-8	Carbazole	5	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	5	U	2	5	10	ug/L
206-44-0	Fluoranthene	5	U	0.4	5	10	ug/L
129-00-0	Pyrene	5	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	5	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	5	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	5	U	0.16	5	10	ug/L
218-01-9	Chrysene	5	U	0.18	5	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	5	U	0.51	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	5	U	0.29	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	5	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	5	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5	U	0.15	5	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	5	U	0.42	5	10	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68348BL	SDG No.:	E1297
Lab Sample ID:	PB68348BL	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060655.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5	U	0.29	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5	U	0.2	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5	U	0.2	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	110		10 - 130		74%	SPK: 150
13127-88-3	Phenol-d6	110		10 - 130		76%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.6		36 - 131		83%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.7		39 - 131		88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		25 - 155		71%	SPK: 150
1718-51-0	Terphenyl-d14	88.7		23 - 130		89%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	102672	3.88				
1146-65-2	Naphthalene-d8	392354	5				
15067-26-2	Acenaphthene-d10	193903	6.68				
1517-22-2	Phenanthrene-d10	313025	8.33				
1719-03-5	Chrysene-d12	259477	11.51				
1520-96-3	Perylene-d12	219268	13.41				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	36.1	A			2.47	ug/L
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	2.3	J			3.04	ug/L
	unknown3.68	94.1	J			3.68	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68354BL	SDG No.:	E1297
Lab Sample ID:	PB68354BL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060653.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	165	U	17.4	165	330	ug/Kg
108-95-2	Phenol	165	U	7.7	165	330	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	165	U	16	165	330	ug/Kg
95-57-8	2-Chlorophenol	165	U	17.6	165	330	ug/Kg
95-48-7	2-Methylphenol	165	U	18.1	165	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	165	U	13.8	165	330	ug/Kg
98-86-2	Acetophenone	165	U	10.2	165	330	ug/Kg
65794-96-9	3+4-Methylphenols	165	U	17.3	165	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	165	U	16.8	165	330	ug/Kg
67-72-1	Hexachloroethane	165	U	14.9	165	330	ug/Kg
98-95-3	Nitrobenzene	165	U	12.6	165	330	ug/Kg
78-59-1	Isophorone	165	U	11	165	330	ug/Kg
88-75-5	2-Nitrophenol	165	U	16.1	165	330	ug/Kg
105-67-9	2,4-Dimethylphenol	165	U	18.9	165	330	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	165	U	19.2	165	330	ug/Kg
120-83-2	2,4-Dichlorophenol	165	U	12.7	165	330	ug/Kg
91-20-3	Naphthalene	165	U	11.5	165	330	ug/Kg
106-47-8	4-Chloroaniline	165	U	23.5	165	330	ug/Kg
87-68-3	Hexachlorobutadiene	165	U	12.1	165	330	ug/Kg
105-60-2	Caprolactam	165	U	15.5	165	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	165	U	14.8	165	330	ug/Kg
91-57-6	2-Methylnaphthalene	165	U	8.4	165	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	165	U	8.1	165	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	165	U	10.2	165	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	165	U	23.4	165	330	ug/Kg
92-52-4	1,1-Biphenyl	165	U	12.6	165	330	ug/Kg
91-58-7	2-Chloronaphthalene	165	U	7.6	165	330	ug/Kg
88-74-4	2-Nitroaniline	165	U	14.8	165	330	ug/Kg
131-11-3	Dimethylphthalate	165	U	9	165	330	ug/Kg
208-96-8	Acenaphthylene	165	U	8.4	165	330	ug/Kg
606-20-2	2,6-Dinitrotoluene	165	U	13.6	165	330	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68354BL	SDG No.:	E1297
Lab Sample ID:	PB68354BL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060653.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	165	U	21.4	165	330	ug/Kg
83-32-9	Acenaphthene	165	U	9.4	165	330	ug/Kg
51-28-5	2,4-Dinitrophenol	165	U	33.9	165	330	ug/Kg
100-02-7	4-Nitrophenol	165	U	61.9	165	330	ug/Kg
132-64-9	Dibenzofuran	165	U	13	165	330	ug/Kg
121-14-2	2,4-Dinitrotoluene	165	U	10.1	165	330	ug/Kg
84-66-2	Diethylphthalate	165	U	5.2	165	330	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	165	U	18.1	165	330	ug/Kg
86-73-7	Fluorene	165	U	12.6	165	330	ug/Kg
100-01-6	4-Nitroaniline	165	U	43.4	165	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	165	U	19.1	165	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	165	U	8	165	330	ug/Kg
101-55-3	4-Bromophenyl-phenylether	165	U	6.5	165	330	ug/Kg
118-74-1	Hexachlorobenzene	165	U	13.6	165	330	ug/Kg
1912-24-9	Atrazine	165	U	17.6	165	330	ug/Kg
87-86-5	Pentachlorophenol	165	U	22.8	165	330	ug/Kg
85-01-8	Phenanthrene	165	U	9	165	330	ug/Kg
120-12-7	Anthracene	165	U	6.8	165	330	ug/Kg
86-74-8	Carbazole	165	U	7.3	165	330	ug/Kg
84-74-2	Di-n-butylphthalate	165	U	26.2	165	330	ug/Kg
206-44-0	Fluoranthene	165	U	6.7	165	330	ug/Kg
129-00-0	Pyrene	165	U	8	165	330	ug/Kg
85-68-7	Butylbenzylphthalate	165	U	16	165	330	ug/Kg
91-94-1	3,3-Dichlorobenzidine	165	U	21.4	165	330	ug/Kg
56-55-3	Benzo(a)anthracene	165	U	15.9	165	330	ug/Kg
218-01-9	Chrysene	165	U	15.1	165	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	165	U	11.8	165	330	ug/Kg
117-84-0	Di-n-octyl phthalate	165	U	3.8	165	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	165	U	10.9	165	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	165	U	15.7	165	330	ug/Kg
50-32-8	Benzo(a)pyrene	165	U	7.2	165	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	165	U	11.1	165	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	165	U	9.6	165	330	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68354BL	SDG No.:	E1297
Lab Sample ID:	PB68354BL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060653.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	165	U	13.5	165	330	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	165	U	13.1	165	330	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	165	U	13.1	165	330	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120		28 - 127		83%	SPK: 150
13127-88-3	Phenol-d6	130		34 - 127		86%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.2		31 - 132		89%	SPK: 100
321-60-8	2-Fluorobiphenyl	94		39 - 123		94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		30 - 133		77%	SPK: 150
1718-51-0	Terphenyl-d14	96.3		37 - 115		96%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95986	3.88				
1146-65-2	Naphthalene-d8	382719	5				
15067-26-2	Acenaphthene-d10	191729	6.68				
1517-22-2	Phenanthrene-d10	307692	8.33				
1719-03-5	Chrysene-d12	253015	11.51				
1520-96-3	Perylene-d12	219224	13.41				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1100	A			2.47	ug/Kg
	unknown3.68	3500	J			3.68	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68348BS	SDG No.:	E1297
Lab Sample ID:	PB68348BS	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060656.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	11.5		0.77	5	10	ug/L
108-95-2	Phenol	44.1		0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.8		0.55	5	10	ug/L
95-57-8	2-Chlorophenol	45.4		0.54	5	10	ug/L
95-48-7	2-Methylphenol	49.5		0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44		0.17	5	10	ug/L
98-86-2	Acetophenone	45.8		0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	45.5		0.38	5	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	47.1		0.2	5	10	ug/L
67-72-1	Hexachloroethane	46.7		0.25	5	10	ug/L
98-95-3	Nitrobenzene	40.3		0.68	5	10	ug/L
78-59-1	Isophorone	40.4		0.3	5	10	ug/L
88-75-5	2-Nitrophenol	48.5		0.52	5	10	ug/L
105-67-9	2,4-Dimethylphenol	48.6		0.71	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.9		0.55	5	10	ug/L
120-83-2	2,4-Dichlorophenol	46.5		0.66	5	10	ug/L
91-20-3	Naphthalene	45.2		0.12	5	10	ug/L
106-47-8	4-Chloroaniline	25.1		2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	43.2		0.25	5	10	ug/L
105-60-2	Caprolactam	46.6		2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	43.6		0.4	5	10	ug/L
91-57-6	2-Methylnaphthalene	45.9		0.32	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	47		0.56	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	44.1		0.4	5	10	ug/L
92-52-4	1,1-Biphenyl	47.7		0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	45.7		0.16	5	10	ug/L
88-74-4	2-Nitroaniline	45.4		0.49	5	10	ug/L
131-11-3	Dimethylphthalate	44		0.22	5	10	ug/L
208-96-8	Acenaphthylene	46.1		0.7	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	39.6		0.32	5	10	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68348BS	SDG No.:	E1297
Lab Sample ID:	PB68348BS	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060656.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	27.7		1.1	5	10	ug/L
83-32-9	Acenaphthene	44.6		0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	77.1		2.1	5	10	ug/L
100-02-7	4-Nitrophenol	89.2	E	2	5	10	ug/L
132-64-9	Dibenzofuran	45.1		0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	38.3		1	5	10	ug/L
84-66-2	Diethylphthalate	43.9		0.38	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.8		0.21	5	10	ug/L
86-73-7	Fluorene	45.6		0.31	5	10	ug/L
100-01-6	4-Nitroaniline	41.6		1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.9		0.74	5	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.6		0.6	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	43.6		0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	44.3		0.18	5	10	ug/L
1912-24-9	Atrazine	48.9		0.4	5	10	ug/L
87-86-5	Pentachlorophenol	84.8	E	1.7	5	10	ug/L
85-01-8	Phenanthrene	46		0.26	5	10	ug/L
120-12-7	Anthracene	47.5		0.16	5	10	ug/L
86-74-8	Carbazole	45.5		0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	47.1		2	5	10	ug/L
206-44-0	Fluoranthene	45.8		0.4	5	10	ug/L
129-00-0	Pyrene	47.3		0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	49.5		0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	18.7		2	5	10	ug/L
56-55-3	Benzo(a)anthracene	46.7		0.16	5	10	ug/L
218-01-9	Chrysene	47.6		0.18	5	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.5		0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	53		0.51	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	46.9		0.29	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	47.8		0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	49.5		0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.2		0.15	5	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.7		0.42	5	10	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68348BS	SDG No.:	E1297
Lab Sample ID:	PB68348BS	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060656.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	47.9		0.29	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.7		0.2	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.3		0.2	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	120		10 - 130		82%	SPK: 150
13127-88-3	Phenol-d6	130		10 - 130		85%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.8		36 - 131		90%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.5		39 - 131		93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		25 - 155		80%	SPK: 150
1718-51-0	Terphenyl-d14	94.5		23 - 130		95%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97352	3.88				
1146-65-2	Naphthalene-d8	369965	5				
15067-26-2	Acenaphthene-d10	182758	6.68				
1517-22-2	Phenanthrene-d10	295968	8.33				
1719-03-5	Chrysene-d12	252152	11.52				
1520-96-3	Perylene-d12	219117	13.41				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68354BS	SDG No.:	E1297
Lab Sample ID:	PB68354BS	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060654.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	350		17.4	165	330	ug/Kg
108-95-2	Phenol	1500		7.7	165	330	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		16	165	330	ug/Kg
95-57-8	2-Chlorophenol	1500		17.6	165	330	ug/Kg
95-48-7	2-Methylphenol	1600		18.1	165	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		13.8	165	330	ug/Kg
98-86-2	Acetophenone	1500		10.2	165	330	ug/Kg
65794-96-9	3+4-Methylphenols	1500		17.3	165	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		16.8	165	330	ug/Kg
67-72-1	Hexachloroethane	1500		14.9	165	330	ug/Kg
98-95-3	Nitrobenzene	1300		12.6	165	330	ug/Kg
78-59-1	Isophorone	1300		11	165	330	ug/Kg
88-75-5	2-Nitrophenol	1600		16.1	165	330	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		18.9	165	330	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		19.2	165	330	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		12.7	165	330	ug/Kg
91-20-3	Naphthalene	1500		11.5	165	330	ug/Kg
106-47-8	4-Chloroaniline	810		23.5	165	330	ug/Kg
87-68-3	Hexachlorobutadiene	1500		12.1	165	330	ug/Kg
105-60-2	Caprolactam	1600		15.5	165	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		14.8	165	330	ug/Kg
91-57-6	2-Methylnaphthalene	1500		8.4	165	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3700	E	8.1	165	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		10.2	165	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		23.4	165	330	ug/Kg
92-52-4	1,1-Biphenyl	1500		12.6	165	330	ug/Kg
91-58-7	2-Chloronaphthalene	1500		7.6	165	330	ug/Kg
88-74-4	2-Nitroaniline	1500		14.8	165	330	ug/Kg
131-11-3	Dimethylphthalate	1400		9	165	330	ug/Kg
208-96-8	Acenaphthylene	1500		8.4	165	330	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		13.6	165	330	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68354BS	SDG No.:	E1297
Lab Sample ID:	PB68354BS	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060654.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	840		21.4	165	330	ug/Kg
83-32-9	Acenaphthene	1400		9.4	165	330	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		33.9	165	330	ug/Kg
100-02-7	4-Nitrophenol	2900	E	61.9	165	330	ug/Kg
132-64-9	Dibenzofuran	1500		13	165	330	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		10.1	165	330	ug/Kg
84-66-2	Diethylphthalate	1400		5.2	165	330	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		18.1	165	330	ug/Kg
86-73-7	Fluorene	1500		12.6	165	330	ug/Kg
100-01-6	4-Nitroaniline	1400		43.4	165	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		19.1	165	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		8	165	330	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		6.5	165	330	ug/Kg
118-74-1	Hexachlorobenzene	1500		13.6	165	330	ug/Kg
1912-24-9	Atrazine	1700		17.6	165	330	ug/Kg
87-86-5	Pentachlorophenol	2800	E	22.8	165	330	ug/Kg
85-01-8	Phenanthrene	1600		9	165	330	ug/Kg
120-12-7	Anthracene	1600		6.8	165	330	ug/Kg
86-74-8	Carbazole	1500		7.3	165	330	ug/Kg
84-74-2	Di-n-butylphthalate	1600		26.2	165	330	ug/Kg
206-44-0	Fluoranthene	1500		6.7	165	330	ug/Kg
129-00-0	Pyrene	1600		8	165	330	ug/Kg
85-68-7	Butylbenzylphthalate	1700		16	165	330	ug/Kg
91-94-1	3,3-Dichlorobenzidine	560		21.4	165	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		15.9	165	330	ug/Kg
218-01-9	Chrysene	1600		15.1	165	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		11.8	165	330	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		3.8	165	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		10.9	165	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		15.7	165	330	ug/Kg
50-32-8	Benzo(a)pyrene	1700		7.2	165	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		11.1	165	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		9.6	165	330	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68354BS	SDG No.:	E1297
Lab Sample ID:	PB68354BS	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060654.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1600		13.5	165	330	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		13.1	165	330	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		13.1	165	330	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130		28 - 127		85%	SPK: 150
13127-88-3	Phenol-d6	130		34 - 127		87%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.6		31 - 132		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		39 - 123		94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		30 - 133		78%	SPK: 150
1718-51-0	Terphenyl-d14	95.8		37 - 115		96%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	96314	3.88				
1146-65-2	Naphthalene-d8	367971	5				
15067-26-2	Acenaphthene-d10	185142	6.68				
1517-22-2	Phenanthrene-d10	291752	8.34				
1719-03-5	Chrysene-d12	248584	11.52				
1520-96-3	Perylene-d12	212586	13.41				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68348BSD	SDG No.:	E1297
Lab Sample ID:	PB68348BSD	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060657.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	10.8		0.77	5	10	ug/L
108-95-2	Phenol	44.3		0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	46		0.55	5	10	ug/L
95-57-8	2-Chlorophenol	45.7		0.54	5	10	ug/L
95-48-7	2-Methylphenol	49.3		0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.4		0.17	5	10	ug/L
98-86-2	Acetophenone	45.6		0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	45		0.38	5	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	47.5		0.2	5	10	ug/L
67-72-1	Hexachloroethane	46.8		0.25	5	10	ug/L
98-95-3	Nitrobenzene	39.6		0.68	5	10	ug/L
78-59-1	Isophorone	40.2		0.3	5	10	ug/L
88-75-5	2-Nitrophenol	47.8		0.52	5	10	ug/L
105-67-9	2,4-Dimethylphenol	47.7		0.71	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.9		0.55	5	10	ug/L
120-83-2	2,4-Dichlorophenol	46		0.66	5	10	ug/L
91-20-3	Naphthalene	44.5		0.12	5	10	ug/L
106-47-8	4-Chloroaniline	25.2		2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	43.9		0.25	5	10	ug/L
105-60-2	Caprolactam	46.6		2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	42.9		0.4	5	10	ug/L
91-57-6	2-Methylnaphthalene	45		0.32	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	120	E	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	48.8		0.56	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	43.5		0.4	5	10	ug/L
92-52-4	1,1-Biphenyl	48		0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	46.5		0.16	5	10	ug/L
88-74-4	2-Nitroaniline	46.9		0.49	5	10	ug/L
131-11-3	Dimethylphthalate	45.2		0.22	5	10	ug/L
208-96-8	Acenaphthylene	46.8		0.7	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	39.7		0.32	5	10	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68348BSD	SDG No.:	E1297
Lab Sample ID:	PB68348BSD	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060657.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	26.8		1.1	5	10	ug/L
83-32-9	Acenaphthene	45		0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	81.9	E	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	92.8	E	2	5	10	ug/L
132-64-9	Dibenzofuran	46.1		0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	39.9		1	5	10	ug/L
84-66-2	Diethylphthalate	44.9		0.38	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.9		0.21	5	10	ug/L
86-73-7	Fluorene	47		0.31	5	10	ug/L
100-01-6	4-Nitroaniline	42.6		1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.5		0.74	5	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.8		0.6	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	44.4		0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	43.6		0.18	5	10	ug/L
1912-24-9	Atrazine	49.2		0.4	5	10	ug/L
87-86-5	Pentachlorophenol	88	E	1.7	5	10	ug/L
85-01-8	Phenanthrene	46.2		0.26	5	10	ug/L
120-12-7	Anthracene	47.6		0.16	5	10	ug/L
86-74-8	Carbazole	46.1		0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	47.6		2	5	10	ug/L
206-44-0	Fluoranthene	46.1		0.4	5	10	ug/L
129-00-0	Pyrene	47.4		0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	49.7		0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	18.3		2	5	10	ug/L
56-55-3	Benzo(a)anthracene	46.6		0.16	5	10	ug/L
218-01-9	Chrysene	47.8		0.18	5	10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.8		0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	53		0.51	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.9		0.29	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	47		0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	49.9		0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.7		0.15	5	10	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.5		0.42	5	10	ug/L

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68348BSD	SDG No.:	E1297
Lab Sample ID:	PB68348BSD	Matrix:	Water
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060657.D	1	02/14/13	02/14/13	PB68348

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	48.5		0.29	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.7		0.2	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.3		0.2	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	120		10 - 130		81%	SPK: 150
13127-88-3	Phenol-d6	130		10 - 130		84%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.5		36 - 131		88%	SPK: 100
321-60-8	2-Fluorobiphenyl	93		39 - 131		93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		25 - 155		79%	SPK: 150
1718-51-0	Terphenyl-d14	93.3		23 - 130		93%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	99194	3.88				
1146-65-2	Naphthalene-d8	381018	5				
15067-26-2	Acenaphthene-d10	183000	6.68				
1517-22-2	Phenanthrene-d10	300965	8.34				
1719-03-5	Chrysene-d12	257516	11.52				
1520-96-3	Perylene-d12	222847	13.41				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2MS	SDG No.:	E1297
Lab Sample ID:	E1297-01MS	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	18.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060649.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	420		21.2	200	400	ug/Kg
108-95-2	Phenol	1600		9.4	200	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		19.5	200	400	ug/Kg
95-57-8	2-Chlorophenol	1700		21.5	200	400	ug/Kg
95-48-7	2-Methylphenol	1800		22.1	200	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		16.8	200	400	ug/Kg
98-86-2	Acetophenone	1700		12.4	200	400	ug/Kg
65794-96-9	3+4-Methylphenols	1700		21.1	200	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		20.5	200	400	ug/Kg
67-72-1	Hexachloroethane	1600		18.2	200	400	ug/Kg
98-95-3	Nitrobenzene	1500		15.4	200	400	ug/Kg
78-59-1	Isophorone	1500		13.4	200	400	ug/Kg
88-75-5	2-Nitrophenol	1800		19.6	200	400	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		23.1	200	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		23.4	200	400	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		15.5	200	400	ug/Kg
91-20-3	Naphthalene	1700		14	200	400	ug/Kg
106-47-8	4-Chloroaniline	1200		28.7	200	400	ug/Kg
87-68-3	Hexachlorobutadiene	1600		14.8	200	400	ug/Kg
105-60-2	Caprolactam	1700		18.9	200	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		18.1	200	400	ug/Kg
91-57-6	2-Methylnaphthalene	1600		10.3	200	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	9.9	200	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		12.4	200	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		28.6	200	400	ug/Kg
92-52-4	1,1-Biphenyl	1700		15.4	200	400	ug/Kg
91-58-7	2-Chloronaphthalene	1600		9.3	200	400	ug/Kg
88-74-4	2-Nitroaniline	1700		18.1	200	400	ug/Kg
131-11-3	Dimethylphthalate	1700		11	200	400	ug/Kg
208-96-8	Acenaphthylene	1700		10.3	200	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		16.6	200	400	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2MS	SDG No.:	E1297
Lab Sample ID:	E1297-01MS	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	18.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060649.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1400		26.1	200	400	ug/Kg
83-32-9	Acenaphthene	1600		11.5	200	400	ug/Kg
51-28-5	2,4-Dinitrophenol	2200		41.4	200	400	ug/Kg
100-02-7	4-Nitrophenol	3300	E	75.5	200	400	ug/Kg
132-64-9	Dibenzofuran	1600		15.9	200	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		12.3	200	400	ug/Kg
84-66-2	Diethylphthalate	1600		6.3	200	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		22.1	200	400	ug/Kg
86-73-7	Fluorene	1700		15.4	200	400	ug/Kg
100-01-6	4-Nitroaniline	1600		53	200	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		23.3	200	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		9.8	200	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		7.9	200	400	ug/Kg
118-74-1	Hexachlorobenzene	1500		16.6	200	400	ug/Kg
1912-24-9	Atrazine	1800		21.5	200	400	ug/Kg
87-86-5	Pentachlorophenol	3000		27.8	200	400	ug/Kg
85-01-8	Phenanthrene	1600		11	200	400	ug/Kg
120-12-7	Anthracene	1700		8.3	200	400	ug/Kg
86-74-8	Carbazole	1700		8.9	200	400	ug/Kg
84-74-2	Di-n-butylphthalate	1700		32	200	400	ug/Kg
206-44-0	Fluoranthene	1600		8.2	200	400	ug/Kg
129-00-0	Pyrene	1700		9.8	200	400	ug/Kg
85-68-7	Butylbenzylphthalate	1800		19.5	200	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	970		26.1	200	400	ug/Kg
56-55-3	Benzo(a)anthracene	1700		19.4	200	400	ug/Kg
218-01-9	Chrysene	1700		18.4	200	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		14.4	200	400	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		4.6	200	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		13.3	200	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		19.2	200	400	ug/Kg
50-32-8	Benzo(a)pyrene	1700		8.8	200	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		13.5	200	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		11.7	200	400	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2MS	SDG No.:	E1297
Lab Sample ID:	E1297-01MS	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	18.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060649.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1600		16.5	200	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		16	200	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		16	200	400	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110		28 - 127		75%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127		77%	SPK: 150
4165-60-0	Nitrobenzene-d5	84		31 - 132		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.4		39 - 123		83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100		30 - 133		69%	SPK: 150
1718-51-0	Terphenyl-d14	84.9		37 - 115		85%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93362	3.88				
1146-65-2	Naphthalene-d8	351044	5				
15067-26-2	Acenaphthene-d10	175657	6.68				
1517-22-2	Phenanthrene-d10	285719	8.33				
1719-03-5	Chrysene-d12	236611	11.52				
1520-96-3	Perylene-d12	209718	13.41				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2MSD	SDG No.:	E1297
Lab Sample ID:	E1297-01MSD	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	18.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060650.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	410		21.2	200	400	ug/Kg
108-95-2	Phenol	1600		9.4	200	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		19.5	200	400	ug/Kg
95-57-8	2-Chlorophenol	1600		21.5	200	400	ug/Kg
95-48-7	2-Methylphenol	1800		22.1	200	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		16.8	200	400	ug/Kg
98-86-2	Acetophenone	1700		12.4	200	400	ug/Kg
65794-96-9	3+4-Methylphenols	1600		21.1	200	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		20.5	200	400	ug/Kg
67-72-1	Hexachloroethane	1600		18.2	200	400	ug/Kg
98-95-3	Nitrobenzene	1400		15.4	200	400	ug/Kg
78-59-1	Isophorone	1500		13.4	200	400	ug/Kg
88-75-5	2-Nitrophenol	1800		19.6	200	400	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		23.1	200	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		23.4	200	400	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		15.5	200	400	ug/Kg
91-20-3	Naphthalene	1600		14	200	400	ug/Kg
106-47-8	4-Chloroaniline	1200		28.7	200	400	ug/Kg
87-68-3	Hexachlorobutadiene	1500		14.8	200	400	ug/Kg
105-60-2	Caprolactam	1700		18.9	200	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		18.1	200	400	ug/Kg
91-57-6	2-Methylnaphthalene	1600		10.2	200	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3900	E	9.9	200	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		12.4	200	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		28.5	200	400	ug/Kg
92-52-4	1,1-Biphenyl	1700		15.4	200	400	ug/Kg
91-58-7	2-Chloronaphthalene	1600		9.3	200	400	ug/Kg
88-74-4	2-Nitroaniline	1600		18.1	200	400	ug/Kg
131-11-3	Dimethylphthalate	1700		11	200	400	ug/Kg
208-96-8	Acenaphthylene	1600		10.2	200	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		16.6	200	400	ug/Kg

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2MSD	SDG No.:	E1297
Lab Sample ID:	E1297-01MSD	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	18.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060650.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	1300		26.1	200	400	ug/Kg
83-32-9	Acenaphthene	1500		11.5	200	400	ug/Kg
51-28-5	2,4-Dinitrophenol	1900		41.3	200	400	ug/Kg
100-02-7	4-Nitrophenol	3200		75.5	200	400	ug/Kg
132-64-9	Dibenzofuran	1600		15.9	200	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		12.3	200	400	ug/Kg
84-66-2	Diethylphthalate	1600		6.3	200	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		22.1	200	400	ug/Kg
86-73-7	Fluorene	1600		15.4	200	400	ug/Kg
100-01-6	4-Nitroaniline	1500		52.9	200	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		23.3	200	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		9.8	200	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		7.9	200	400	ug/Kg
118-74-1	Hexachlorobenzene	1500		16.6	200	400	ug/Kg
1912-24-9	Atrazine	1700		21.5	200	400	ug/Kg
87-86-5	Pentachlorophenol	2900		27.8	200	400	ug/Kg
85-01-8	Phenanthrene	1600		11	200	400	ug/Kg
120-12-7	Anthracene	1600		8.3	200	400	ug/Kg
86-74-8	Carbazole	1600		8.9	200	400	ug/Kg
84-74-2	Di-n-butylphthalate	1600		32	200	400	ug/Kg
206-44-0	Fluoranthene	1600		8.2	200	400	ug/Kg
129-00-0	Pyrene	1600		9.8	200	400	ug/Kg
85-68-7	Butylbenzylphthalate	1700		19.5	200	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	940		26.1	200	400	ug/Kg
56-55-3	Benzo(a)anthracene	1600		19.4	200	400	ug/Kg
218-01-9	Chrysene	1700		18.4	200	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		14.4	200	400	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		4.6	200	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		13.3	200	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		19.1	200	400	ug/Kg
50-32-8	Benzo(a)pyrene	1700		8.8	200	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		13.5	200	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		11.7	200	400	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2MSD	SDG No.:	E1297
Lab Sample ID:	E1297-01MSD	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	18.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF060650.D	1	02/14/13	02/14/13	PB68354

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1600		16.5	200	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		16	200	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		16	200	400	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110		28 - 127		71%	SPK: 150
13127-88-3	Phenol-d6	110		34 - 127		74%	SPK: 150
4165-60-0	Nitrobenzene-d5	81		31 - 132		81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.4		39 - 123		78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.8		30 - 133		66%	SPK: 150
1718-51-0	Terphenyl-d14	80.2		37 - 115		80%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	96988	3.88				
1146-65-2	Naphthalene-d8	362971	5				
15067-26-2	Acenaphthene-d10	183809	6.68				
1517-22-2	Phenanthrene-d10	298868	8.33				
1719-03-5	Chrysene-d12	249493	11.52				
1520-96-3	Perylene-d12	218921	13.41				

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: BNA_F Calibration Date(s): 02/05/2013 02/05/2013

Calibration Time(s): 16:37 18:46

LAB FILE ID: RRF010 = BF060503.D RRF025 = BF060504.D RRF040 = BF060505.D
RRF050 = BF060506.D RRF060 = BF060507.D RRF080 = BF060508.D

COMPOUND	RRF010	RRF025	RRF040	RRF050	RRF060	RRF080	RRF	% RSD
2-Fluorophenol	1.502	1.526	1.429	1.456	1.381	1.365	1.443	4.5
Benzaldehyde	0.973	0.956	0.902	0.848	0.786	0.729	0.866	11.1
Phenol-d6	1.774	1.775	1.627	1.633	1.555	1.518	1.647	6.6
Phenol	1.916	1.878	1.769	1.774	1.664	1.623	1.771	6.5
bis(2-Chloroethyl)ether	1.482	1.500	1.424	1.447	1.373	1.348	1.429	4.2
2-Chlorophenol	1.516	1.468	1.398	1.400	1.324	1.304	1.402	5.8
2-Methylphenol	1.111	1.126	1.066	1.080	1.041	1.015	1.073	3.9
2,2-oxybis(1-Chloropropane)	2.876	2.862	2.698	2.716	2.583	2.527	2.710	5.2
Acetophenone	0.509	0.530	0.497	0.476	0.475	0.450	0.490	5.8
3+4-Methylphenols	1.519	1.488	1.436	1.430	1.364	1.343	1.430	4.8
n-Nitroso-di-n-propylamine	0.936	0.987	0.914	0.903	0.875	0.847	0.910	5.4
Nitrobenzene-d5	0.355	0.367	0.347	0.337	0.337	0.331	0.346	3.9
Hexachloroethane	0.548	0.584	0.563	0.559	0.555	0.549	0.559	2.4
Nitrobenzene	0.440	0.457	0.435	0.425	0.423	0.412	0.432	3.6
Isophorone	0.758	0.789	0.753	0.727	0.725	0.709	0.743	3.9
2-Nitrophenol	0.187	0.203	0.199	0.195	0.200	0.199	0.197	2.8
2,4-Dimethylphenol	0.319	0.326	0.313	0.303	0.306	0.313	0.313	2.6
bis(2-Chloroethoxy)methane	0.434	0.450	0.436	0.417	0.416	0.406	0.427	3.8
2,4-Dichlorophenol	0.259	0.282	0.275	0.270	0.272	0.269	0.271	2.7
Naphthalene	1.110	1.117	1.040	0.992	0.977	0.924	1.027	7.5
4-Chloroaniline	0.426	0.445	0.419	0.413	0.412	0.407	0.420	3.2
Hexachlorobutadiene	0.153	0.155	0.154	0.152	0.155	0.151	0.153	1.0
Caprolactam	0.108	0.115	0.117	0.115	0.118	0.122	0.116	4.2
4-Chloro-3-methylphenol	0.306	0.325	0.324	0.309	0.320	0.318	0.317	2.5
2-Methylnaphthalene	0.739	0.756	0.718	0.696	0.691	0.667	0.711	4.6
Hexachlorocyclopentadiene	0.188	0.205	0.213	0.197	0.213	0.217	0.205	5.4
2,4,6-Trichlorophenol	0.347	0.364	0.359	0.346	0.351	0.353	0.354	2.0
2-Fluorobiphenyl	1.330	1.256	1.179	1.092	1.067	0.998	1.154	10.8
2,4,5-Trichlorophenol	0.374	0.393	0.392	0.378	0.387	0.377	0.384	2.1
1,1-Biphenyl	1.628	1.608	1.532	1.471	1.448	1.415	1.517	5.8
2-Chloronaphthalene	1.256	1.234	1.193	1.136	1.136	1.099	1.176	5.3
2-Nitroaniline	0.350	0.391	0.385	0.380	0.376	0.386	0.378	3.9
Dimethylphthalate	1.398	1.405	1.359	1.310	1.289	1.292	1.342	3.9
Acenaphthylene	1.977	2.018	1.961	1.846	1.824	1.772	1.900	5.2
2,6-Dinitrotoluene	0.345	0.373	0.365	0.357	0.359	0.363	0.361	2.6
3-Nitroaniline	0.373	0.394	0.389	0.381	0.385	0.395	0.386	2.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: BNA_F Calibration Date(s): 02/05/2013 02/05/2013

Calibration Time(s): 16:37 18:46

LAB FILE ID: RRF010 = BF060503.D RRF025 = BF060504.D RRF040 = BF060505.D
RRF050 = BF060506.D RRF060 = BF060507.D RRF080 = BF060508.D

COMPOUND	RRF010	RRF025	RRF040	RRF050	RRF060	RRF080	RRF	% RSD
Acenaphthene	1.238	1.264	1.241	1.168	1.176	1.161	1.208	3.7
2,4-Dinitrophenol	0.110	0.145	0.158	0.159	0.171	0.183	0.154	16.4
4-Nitrophenol	0.276	0.293	0.307	0.305	0.312	0.319	0.302	5.1
Dibenzofuran	1.711	1.701	1.638	1.546	1.545	1.500	1.607	5.5
2,4-Dinitrotoluene	0.436	0.464	0.478	0.461	0.473	0.480	0.465	3.5
Diethylphthalate	1.377	1.413	1.373	1.320	1.330	1.322	1.356	2.8
4-Chlorophenyl-phenylether	0.646	0.619	0.596	0.574	0.571	0.559	0.594	5.6
Fluorene	1.377	1.362	1.295	1.221	1.217	1.184	1.276	6.4
4-Nitroaniline	0.359	0.390	0.389	0.380	0.389	0.387	0.382	3.1
4,6-Dinitro-2-methylphenol	0.093	0.118	0.122	0.123	0.127	0.133	0.119	11.6
n-Nitrosodiphenylamine	0.668	0.703	0.658	0.643	0.629	0.622	0.654	4.5
2,4,6-Tribromophenol	0.149	0.159	0.158	0.150	0.150	0.150	0.153	3.2
4-Bromophenyl-phenylether	0.195	0.202	0.202	0.196	0.194	0.196	0.198	1.9
Hexachlorobenzene	0.213	0.219	0.211	0.210	0.208	0.201	0.210	2.9
Atrazine	0.184	0.188	0.192	0.186	0.185	0.182	0.186	2.0
Pentachlorophenol	0.122	0.128	0.134	0.136	0.135	0.135	0.132	4.2
Phenanthrene	1.188	1.175	1.125	1.085	1.059	1.023	1.109	5.9
Anthracene	1.146	1.154	1.108	1.085	1.051	1.007	1.092	5.2
Carbazole	1.110	1.130	1.087	1.057	1.023	1.002	1.068	4.7
Di-n-butylphthalate	1.243	1.352	1.330	1.287	1.252	1.230	1.282	3.9
Fluoranthene	1.092	1.151	1.103	1.088	1.061	1.030	1.088	3.7
Pyrene	1.272	1.324	1.274	1.241	1.234	1.210	1.259	3.2
Terphenyl-d14	0.817	0.837	0.778	0.744	0.737	0.710	0.771	6.4
Butylbenzylphthalate	0.557	0.641	0.639	0.635	0.654	0.656	0.630	5.9
3,3-Dichlorobenzidine	0.364	0.406	0.406	0.405	0.404	0.408	0.399	4.2
Benzo(a)anthracene	1.107	1.193	1.142	1.112	1.104	1.096	1.125	3.2
Chrysene	1.026	1.088	1.022	0.991	0.969	0.940	1.006	5.1
Bis(2-ethylhexyl)phthalate	0.800	0.882	0.854	0.824	0.817	0.813	0.831	3.7
Di-n-octyl phthalate	1.160	1.372	1.377	1.388	1.416	1.428	1.357	7.3
Benzo(b)fluoranthene	1.126	1.233	1.203	1.187	1.167	1.183	1.183	3.0
Benzo(k)fluoranthene	1.174	1.248	1.224	1.200	1.186	1.151	1.197	2.9
Benzo(a)pyrene	1.023	1.114	1.117	1.124	1.104	1.112	1.099	3.4
Indeno(1,2,3-cd)pyrene	0.968	1.103	1.108	1.124	1.139	1.183	1.104	6.6
Dibenzo(a,h)anthracene	0.980	1.095	1.104	1.078	1.068	1.087	1.068	4.2
Benzo(g,h,i)perylene	0.981	1.083	1.082	1.083	1.080	1.097	1.068	4.0
1,2,4,5-Tetrachlorobenzene	0.498	0.500	0.475	0.457	0.454	0.449	0.472	4.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: BNA_F Calibration Date(s): 02/05/2013 02/05/2013

Calibration Time(s): 16:37 18:46

LAB FILE ID: RRF010 = BF060503.D RRF025 = BF060504.D RRF040 = BF060505.D
RRF050 = BF060506.D RRF060 = BF060507.D RRF080 = BF060508.D

COMPOUND	RRF010	RRF025	RRF040	RRF050	RRF060	RRF080	RRF	% RSD
2,3,4,6-Tetrachlorophenol	0.305	0.295	0.285	0.281	0.290	0.292	0.291	2.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: BNA_F Calibration Date/Time: 02/14/2013 12:49

Lab File ID: BF060647.D Init. Calib. Date(s): 02/05/2013 02/05/2013

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:37 18:46

GC Column: RTX-5 ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.443	1.536		6.4	
Benzaldehyde	0.866	0.855		-1.3	
Phenol-d6	1.647	1.731		5.1	
Phenol	1.771	1.854		4.7	20.0
bis(2-Chloroethyl)ether	1.429	1.480		3.6	
2-Chlorophenol	1.402	1.473		5.1	
2-Methylphenol	1.073	1.111		3.5	
2,2-oxybis(1-Chloropropane)	2.710	2.698		-0.4	
Acetophenone	0.490	0.498		1.6	
3+4-Methylphenols	1.430	1.434		0.3	
n-Nitroso-di-n-propylamine	0.910	0.932	0.050	2.4	
Nitrobenzene-d5	0.346	0.357		3.2	
Hexachloroethane	0.559	0.580		3.8	
Nitrobenzene	0.432	0.441		2.1	
Isophorone	0.743	0.771		3.8	
2-Nitrophenol	0.197	0.213		8.1	20.0
2,4-Dimethylphenol	0.313	0.324		3.5	
bis(2-Chloroethoxy)methane	0.427	0.436		2.1	
2,4-Dichlorophenol	0.271	0.288		6.3	20.0
Naphthalene	1.027	1.060		3.2	
4-Chloroaniline	0.420	0.434		3.3	
Hexachlorobutadiene	0.153	0.152		-0.7	20.0
Caprolactam	0.116	0.124		6.9	
4-Chloro-3-methylphenol	0.317	0.342		7.9	20.0
2-Methylnaphthalene	0.711	0.724		1.8	
Hexachlorocyclopentadiene	0.205	0.172	0.050	-16.1	
2,4,6-Trichlorophenol	0.354	0.353		-0.3	20.0
2-Fluorobiphenyl	1.154	1.173		1.6	
2,4,5-Trichlorophenol	0.384	0.389		1.3	
1,1-Biphenyl	1.517	1.549		2.1	
2-Chloronaphthalene	1.176	1.203		2.3	
2-Nitroaniline	0.378	0.398		5.3	
Dimethylphthalate	1.342	1.369		2.0	
Acenaphthylene	1.900	1.959		3.1	
2,6-Dinitrotoluene	0.361	0.376		4.2	
3-Nitroaniline	0.386	0.394		2.1	
Acenaphthene	1.208	1.156		-4.3	20.0
2,4-Dinitrophenol	0.154	0.156	0.050	1.3	
4-Nitrophenol	0.302	0.318	0.050	5.3	
Dibenzofuran	1.607	1.628		1.3	
2,4-Dinitrotoluene	0.465	0.477		2.6	

Form VII SV-1

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG No.: E1297

Instrument ID: BNA_F Calibration Date/Time: 02/14/2013 12:49

Lab File ID: BF060647.D Init. Calib. Date(s): 02/05/2013 02/05/2013

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:37 18:46

GC Column: RTX-5 ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.356	1.406		3.7	
4-Chlorophenyl-phenylether	0.594	0.590		-0.7	
Fluorene	1.276	1.301		2.0	
4-Nitroaniline	0.382	0.394		3.1	
4,6-Dinitro-2-methylphenol	0.119	0.123		3.4	
n-Nitrosodiphenylamine	0.654	0.662		1.2	20.0
2,4,6-Tribromophenol	0.153	0.150		-2.0	
4-Bromophenyl-phenylether	0.198	0.198		0.0	
Hexachlorobenzene	0.210	0.203		-3.3	
Atrazine	0.186	0.187		0.5	
Pentachlorophenol	0.132	0.128		-3.0	20.0
Phenanthrene	1.109	1.125		1.4	
Anthracene	1.092	1.108		1.5	
Carbazole	1.068	1.097		2.7	
Di-n-butylphthalate	1.282	1.390		8.4	
Fluoranthene	1.088	1.102		1.3	20.0
Pyrene	1.259	1.304		3.6	
Terphenyl-d14	0.771	0.782		1.4	
Butylbenzylphthalate	0.630	0.714		13.3	
3,3-Dichlorobenzidine	0.399	0.417		4.5	
Benzo(a)anthracene	1.125	1.158		2.9	
Chrysene	1.006	1.025		1.9	
Bis(2-ethylhexyl)phthalate	0.831	0.958		15.3	
Di-n-octyl phthalate	1.357	1.589		17.1	20.0
Benzo(b)fluoranthene	1.183	1.217		2.9	
Benzo(k)fluoranthene	1.197	1.201		0.3	
Benzo(a)pyrene	1.099	1.135		3.3	20.0
Indeno(1,2,3-cd)pyrene	1.104	1.132		2.5	
Dibenzo(a,h)anthracene	1.068	1.101		3.1	
Benzo(g,h,i)perylene	1.068	1.088		1.9	
1,2,4,5-Tetrachlorobenzene	0.472	0.462		-2.1	
2,3,4,6-Tetrachlorophenol	0.291	0.282		-3.1	

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

LAB CHRONICLE

OrderID:	E1297	**OrderDate:**	2/13/2013 12:49:32 PM
Client:	Sustainable Management LLC	**Project:**	Samoo Architects
Contact:	Chunyuan Li	**Location:**	G32

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
E1297-01	**SB0-2**	**SOIL**			**02/12/13**			**02/13/13**
			PCB	8082A		02/14/13	02/15/13	
E1297-02	**SB28-30**	**SOIL**			**02/12/13**			**02/13/13**
			PCB	8082A		02/14/13	02/15/13	
E1297-03	**GW**	**WATER**			**02/12/13**			**02/13/13**
			PCB	8082A		02/14/13	02/14/13	

Hit Summary Sheet
SW-846

SDG No.: **Order ID:**

Client: **Project ID:**

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :								

Total Concentration:

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2	SDG No.:	E1297
Lab Sample ID:	E1297-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	18 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007035.D	1	02/14/13	02/15/13	PB68352

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	10.5	U	4.2	10.5	21	ug/Kg
11104-28-2	Aroclor-1221	10.5	U	4.1	10.5	21	ug/Kg
11141-16-5	Aroclor-1232	10.5	U	9.1	10.5	21	ug/Kg
53469-21-9	Aroclor-1242	10.5	U	4.1	10.5	21	ug/Kg
12672-29-6	Aroclor-1248	10.5	U	8	10.5	21	ug/Kg
11097-69-1	Aroclor-1254	10.5	U	1.8	10.5	21	ug/Kg
11096-82-5	Aroclor-1260	10.5	U	5	10.5	21	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.2		10 - 166		101%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		60 - 125		93%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30	SDG No.:	E1297
Lab Sample ID:	E1297-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007036.D	1	02/14/13	02/15/13	PB68352

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	11	U	4.4	11	22	ug/Kg
11104-28-2	Aroclor-1221	11	U	4.4	11	22	ug/Kg
11141-16-5	Aroclor-1232	11	U	9.6	11	22	ug/Kg
53469-21-9	Aroclor-1242	11	U	4.4	11	22	ug/Kg
12672-29-6	Aroclor-1248	11	U	8.4	11	22	ug/Kg
11097-69-1	Aroclor-1254	11	U	1.9	11	22	ug/Kg
11096-82-5	Aroclor-1260	11	U	5.3	11	22	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.1		10 - 166		91%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		60 - 125		86%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-03	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	980 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007027.D	1	02/14/13	02/14/13	PB68346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.255	U	0.098	0.255	0.51	ug/L
11104-28-2	Aroclor-1221	0.255	U	0.194	0.255	0.51	ug/L
11141-16-5	Aroclor-1232	0.255	U	0.153	0.255	0.51	ug/L
53469-21-9	Aroclor-1242	0.255	U	0.091	0.255	0.51	ug/L
12672-29-6	Aroclor-1248	0.255	U	0.245	0.255	0.51	ug/L
11097-69-1	Aroclor-1254	0.255	U	0.045	0.255	0.51	ug/L
11096-82-5	Aroclor-1260	0.255	U	0.083	0.255	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.1		35 - 137		96%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.1		40 - 135		51%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

QC SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Surrogate Summary

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8082

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery	Qual	Limits Low	Limits High
I.BLK-PO006646.D	PIBLK-PO006646.D	Tetrachloro-m-xylene	1	20	18.14	91		35	137
		Decachlorobiphenyl	1	20	18.95	95		40	135
		Tetrachloro-m-xylene	2	20	19.92	100		35	137
		Decachlorobiphenyl	2	20	19.61	98		40	135
I.BLK-PO007017.D	PIBLK-PO007017.D	Tetrachloro-m-xylene	1	20	22.69	113		35	137
		Decachlorobiphenyl	1	20	21.11	106		40	135
		Tetrachloro-m-xylene	2	20	22.83	114		35	137
		Decachlorobiphenyl	2	20	20.39	102		40	135
PB68346BL	PB68346BL	Tetrachloro-m-xylene	1	20	22.73	114		35	137
		Decachlorobiphenyl	1	20	21.54	108		40	135
		Tetrachloro-m-xylene	2	20	23.23	116		35	137
		Decachlorobiphenyl	2	20	21.33	107		40	135
PB68346BS	PB68346BS	Tetrachloro-m-xylene	1	20	23.21	116		35	137
		Decachlorobiphenyl	1	20	22.1	111		40	135
		Tetrachloro-m-xylene	2	20	22.69	113		35	137
		Decachlorobiphenyl	2	20	21.34	107		40	135
PB68346BSD	PB68346BSD	Tetrachloro-m-xylene	1	20	22.88	114		35	137
		Decachlorobiphenyl	1	20	22.02	110		40	135
		Tetrachloro-m-xylene	2	20	22.52	113		35	137
		Decachlorobiphenyl	2	20	21.82	109		40	135
E1297-03	GW	Tetrachloro-m-xylene	1	20	19.12	96		35	137
		Decachlorobiphenyl	1	20	10.11	51		40	135
		Tetrachloro-m-xylene	2	20	19.95	100		35	137
		Decachlorobiphenyl	2	20	10.19	51		40	135
I.BLK-PO007028.D	PIBLK-PO007028.D	Tetrachloro-m-xylene	1	20	22.16	111		35	137
		Decachlorobiphenyl	1	20	21.23	106		40	135
		Tetrachloro-m-xylene	2	20	22.64	113		35	137
		Decachlorobiphenyl	2	20	20.84	104		40	135
I.BLK-PO007031.D	PIBLK-PO007031.D	Tetrachloro-m-xylene	1	20	27.68	138	*	35	137
		Decachlorobiphenyl	1	20	25.15	126		40	135
		Tetrachloro-m-xylene	2	20	26.71	134		35	137
		Decachlorobiphenyl	2	20	24.01	120		40	135
PB68352BL	PB68352BL	Tetrachloro-m-xylene	1	20	22.93	115		10	166
		Decachlorobiphenyl	1	20	21.48	107		60	125
		Tetrachloro-m-xylene	2	20	22.76	114		10	166
		Decachlorobiphenyl	2	20	20.84	104		60	125
PB68352BS	PB68352BS	Tetrachloro-m-xylene	1	20	23.39	117		10	166
		Decachlorobiphenyl	1	20	22.15	111		60	125
		Tetrachloro-m-xylene	2	20	22.5	113		10	166
		Decachlorobiphenyl	2	20	21.23	106		60	125
E1297-01	SB0-2	Tetrachloro-m-xylene	1	20	20.16	101		10	166
		Decachlorobiphenyl	1	20	18.6	93		60	125
		Tetrachloro-m-xylene	2	20	20.26	101		10	166

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Surrogate Summary

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8082

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery	Qual	Limits Low	Limits High
E1297-01	SB0-2	Decachlorobiphenyl	2	20	17.92	90		60	125
E1297-02	SB28-30	Tetrachloro-m-xylene	1	20	18.12	91		10	166
		Decachlorobiphenyl	1	20	17.19	86		60	125
		Tetrachloro-m-xylene	2	20	18.28	91		10	166
		Decachlorobiphenyl	2	20	16.7	84		60	125
E1297-02MS	SB28-30MS	Tetrachloro-m-xylene	1	20	20.52	103		10	166
		Decachlorobiphenyl	1	20	18.13	91		60	125
		Tetrachloro-m-xylene	2	20	19.98	100		10	166
		Decachlorobiphenyl	2	20	17.68	88		60	125
E1297-02MSD	SB28-30MSD	Tetrachloro-m-xylene	1	20	20.66	103		10	166
		Decachlorobiphenyl	1	20	18.91	95		60	125
		Tetrachloro-m-xylene	2	20	20.19	101		10	166
		Decachlorobiphenyl	2	20	18.2	91		60	125
I.BLK-PO007039.D	PIBLK-PO007039.D	Tetrachloro-m-xylene	1	20	27.76	139	*	35	137
		Decachlorobiphenyl	1	20	25.26	126		40	135
		Tetrachloro-m-xylene	2	20	26.75	134		35	137
		Decachlorobiphenyl	2	20	24.41	122		40	135

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8082

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**SB28-30MS**											
E1297-02MS	AR1016	85.2	0	84	ug/Kg	99				40	140	
	AR1260	85.2	0	84	ug/Kg	99				60	130	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8082

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**SB28-30MSD**											
E1297-02MSD	AR1016	85.4	0	88	ug/Kg	103		4		40	140	20
	AR1260	85.4	0	91	ug/Kg	107		8		60	130	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8082

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68346BS	AR1016	2.000	2.3	ug/L	115				56	149	
	AR1260	2.000	2.3	ug/L	115				66	147	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8082

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68346BSD	AR1016	2.000	2.3	ug/L	115	0			56	149	20
	AR1260	2.000	2.3	ug/L	115	0			66	147	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8082

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68352BS	AR1016	66.7	76	ug/Kg	114				53	140	
	AR1260	66.7	76	ug/Kg	114				65	130	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB68346BL

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68346BL Lab File ID: PO007024.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 02/14/2013

Date Analyzed (1): 02/14/2013 Date Analyzed (2): 02/14/2013

Time Analyzed (1): 14:16 Time Analyzed (2): 14:16

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB68346BS	PB68346BS	PO007025.D	02/14/2013	02/14/2013
PB68346BSD	PB68346BSD	PO007026.D	02/14/2013	02/14/2013
GW	E1297-03	PO007027.D	02/14/2013	02/14/2013

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB68352BL

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68352BL Lab File ID: PO007033.D

Matrix: (soil/water) SOIL Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 02/14/2013

Date Analyzed (1): 02/15/2013 Date Analyzed (2): 02/15/2013

Time Analyzed (1): 11:52 Time Analyzed (2): 11:52

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB68352BS	PB68352BS	PO007034.D	02/15/2013	02/15/2013
SB0-2	E1297-01	PO007035.D	02/15/2013	02/15/2013
SB28-30	E1297-02	PO007036.D	02/15/2013	02/15/2013
SB28-30MS	E1297-02MS	PO007037.D	02/15/2013	02/15/2013
SB28-30MSD	E1297-02MSD	PO007038.D	02/15/2013	02/15/2013

COMMENTS:

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_O **Calibration Date(s):** 01/28/2013 01/28/2013

Calibration Times: 08:58 09:58

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 50 = PO006651.D RT 250 = PO006650.D

RT 500 = PO006649.D RT 750 = PO006648.D RT 1000 = PO006647.D

COMPOUND		RT 50	RT 250	RT 500	RT 750	RT 1000	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Tetrachloro-m-xylene		4.59	4.59	4.59	4.59	4.59	4.59	4.54	4.64
Decachlorobiphenyl		10.34	10.35	10.34	10.34	10.34	10.34	10.24	10.44
AR1016	(1)	5.48	5.48	5.48	5.48	5.48	5.48	5.43	5.53
AR1016	(2)	5.76	5.76	5.76	5.76	5.76	5.76	5.71	5.81
AR1016	(3)	5.82	5.82	5.82	5.82	5.82	5.82	5.77	5.87
AR1016	(4)	5.92	5.92	5.92	5.92	5.92	5.92	5.87	5.97
AR1016	(5)	6.35	6.35	6.35	6.35	6.35	6.35	6.30	6.40
AR1260	(1)	7.33	7.33	7.33	7.33	7.33	7.33	7.28	7.38
AR1260	(2)	7.87	7.87	7.87	7.87	7.87	7.87	7.82	7.92
AR1260	(3)	8.50	8.50	8.50	8.50	8.50	8.50	8.45	8.55
AR1260	(4)	8.83	8.84	8.84	8.83	8.84	8.83	8.78	8.88
AR1260	(5)	9.58	9.58	9.58	9.58	9.58	9.58	9.53	9.63

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_O **Calibration Date(s):** 01/28/2013 01/28/2013

Calibration Times: 08:58 09:58

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 50 = PO006651.D RT 250 = PO006650.D

RT 500 = PO006649.D RT 750 = PO006648.D RT 1000 = PO006647.D

COMPOUND		RT 50	RT 250	RT 500	RT 750	RT 1000	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Tetrachloro-m-xylene		4.06	4.06	4.06	4.06	4.06	4.06	4.01	4.11
Decachlorobiphenyl		9.21	9.21	9.21	9.21	9.21	9.21	9.11	9.31
AR1016	(1)	4.44	4.44	4.44	4.44	4.44	4.44	4.39	4.49
AR1016	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.89	4.99
AR1016	(3)	5.24	5.24	5.23	5.23	5.23	5.23	5.18	5.28
AR1016	(4)	5.36	5.36	5.36	5.36	5.36	5.36	5.31	5.41
AR1016	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.56	5.66
AR1260	(1)	6.65	6.65	6.65	6.65	6.65	6.65	6.60	6.70
AR1260	(2)	6.84	6.84	6.84	6.83	6.83	6.83	6.78	6.88
AR1260	(3)	7.00	7.00	7.00	7.00	7.00	7.00	6.95	7.05
AR1260	(4)	7.71	7.71	7.71	7.71	7.71	7.71	7.66	7.76
AR1260	(5)	8.06	8.06	8.06	8.06	8.06	8.06	8.01	8.11

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_O

Calibration Date(s): 01/28/2013 01/28/2013

Calibration Times: 08:58 09:58

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 50 = PO006651.D CF 250 = PO006650.D

CF 500 = PO006649.D CF 750 = PO006648.D CF 1000 = PO006647.D

COMPOUND	CF 50	CF 250	CF 500	CF 750	CF 1000	CF	% RSD
Tetrachloro-m-xylene	20735180	21346432	24807624	25177477	24896305	23392604	9
Decachlorobiphenyl	26443180	22933556	24258974	23494337	22526329	23931275	6
AR1016 (1)	492550	488124	578355	563368	545518	533583	8
AR1016 (2)	2034126	1862758	2029669	1985991	1924421	1967393	4
AR1016 (3)	780132	729548	794042	775384	747416	765304	3
AR1016 (4)	560804	513816	564039	551143	530157	543992	4
AR1016 (5)	523062	479000	531804	522391	507030	512657	4
AR1260 (1)	1145730	1067514	1133542	1093744	1049223	1097951	4
AR1260 (2)	1803742	1611082	1763850	1733238	1685248	1719432	4
AR1260 (3)	1648442	1748691	1969843	1966394	1919083	1850491	8
AR1260 (4)	1417200	1181086	1284469	1264500	1234959	1276443	7
AR1260 (5)	492552	534443	553171	541178	522290	528727	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_O

Calibration Date(s): 01/28/2013 01/28/2013

Calibration Times: 08:58 09:58

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 50 = PO006651.D CF 250 = PO006650.D

CF 500 = PO006649.D CF 750 = PO006648.D CF 1000 = PO006647.D

COMPOUND	CF 50	CF 250	CF 500	CF 750	CF 1000	CF	% RSD
Tetrachloro-m-xylene	2866500	2645188	2857388	2804464	2725014	2779711	3
Decachlorobiphenyl	3090580	2545316	2563450	2453399	2331786	2596906	11
AR1016 (1)	58612	60764	63013	59130	56032	59510	4
AR1016 (2)	81988	80186	82219	78607	74752	79550	4
AR1016 (3)	116690	98324	105038	100326	93998	102875	8
AR1016 (4)	86240	72588	78437	75720	71802	76957	8
AR1016 (5)	93822	79453	83753	79610	75161	82360	9
AR1260 (1)	172992	159324	159651	150326	141800	156819	7
AR1260 (2)	206636	182897	186320	177450	168509	184362	8
AR1260 (3)	183868	169084	171457	164157	155655	168844	6
AR1260 (4)	293358	272018	283890	275194	262536	277399	4
AR1260 (5)	236094	196970	204853	197378	188238	204706	9

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_O **Date(s) Analyzed:** 01/28/2013 01/28/2013

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
AR1221	0.5000	1	4.80	4.75	4.85	225002
		2	4.89	4.84	4.94	156798
		3	4.96	4.91	5.01	571943
		4	0.00			0
		5	0.00			0
AR1232	0.5000	1	4.96	4.91	5.01	561989
		2	5.48	5.43	5.53	262221
		3	5.76	5.71	5.81	898623
		4	5.82	5.77	5.87	347942
		5	5.92	5.87	5.97	241430
AR1242	0.5000	1	4.96	4.91	5.01	429047
		2	5.48	5.43	5.53	530346
		3	5.76	5.71	5.81	1946147
		4	6.81	6.76	6.86	422391
		5	6.85	6.80	6.90	379241
AR1248	0.5000	1	5.76	5.71	5.81	1061778
		2	6.21	6.16	6.26	684546
		3	6.35	6.30	6.40	588928
		4	6.81	6.76	6.86	738553
		5	6.85	6.80	6.90	586357
AR1254	0.5000	1	6.80	6.75	6.85	1418078
		2	7.17	7.12	7.22	1651496
		3	7.45	7.40	7.50	1188964
		4	7.72	7.67	7.77	831460
		5	7.87	7.82	7.92	1498237

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_O **Date(s) Analyzed:** 01/28/2013 01/28/2013

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
AR1221	0.5000	1	4.27	4.22	4.32	31024
		2	4.36	4.31	4.41	23842
		3	4.44	4.39	4.49	77597
		4	0.00			0
		5	0.00			0
AR1232	0.5000	1	4.44	4.39	4.49	78001
		2	4.94	4.89	4.99	39858
		3	5.36	5.31	5.41	35566
		4	5.44	5.39	5.49	34077
		5	5.61	5.56	5.66	35782
AR1242	0.5000	1	4.44	4.39	4.49	60463
		2	4.94	4.89	4.99	78740
		3	5.61	5.56	5.66	81220
		4	5.97	5.92	6.02	98754
		5	6.01	5.96	6.06	85323
AR1248	0.5000	1	5.36	5.31	5.41	41920
		2	5.44	5.39	5.49	100147
		3	5.61	5.56	5.66	111120
		4	5.97	5.92	6.02	157867
		5	6.01	5.96	6.06	116280
AR1254	0.5000	1	5.97	5.92	6.02	183130
		2	6.11	6.06	6.16	158645
		3	6.53	6.48	6.58	246507
		4	6.84	6.79	6.89	94608
		5	7.17	7.12	7.22	209886

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/14/2013 **Initial Calibration Date(s):** 01/28/2013 01/28/2013

Continuing Calib Time: 11:14 **Initial Calibration Time(s):** 08:58 09:58

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Tetrachloro-m-xylene		4.59	4.59	4.54	4.64	0.00
Decachlorobiphenyl		10.34	10.34	10.24	10.44	0.00
AR1016	(1)	5.47	5.48	5.43	5.53	0.01
AR1016	(2)	5.76	5.76	5.71	5.81	0.00
AR1016	(3)	5.82	5.82	5.77	5.87	0.00
AR1016	(4)	5.92	5.92	5.87	5.97	0.00
AR1016	(5)	6.35	6.35	6.30	6.40	0.00
AR1260	(1)	7.33	7.33	7.28	7.38	0.01
AR1260	(2)	7.86	7.87	7.82	7.92	0.01
AR1260	(3)	8.50	8.50	8.45	8.55	0.00
AR1260	(4)	8.83	8.83	8.78	8.88	0.00
AR1260	(5)	9.58	9.58	9.53	9.63	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/14/2013 **Initial Calibration Date(s):** 01/28/2013 01/28/2013

Continuing Calib Time: 11:14 **Initial Calibration Time(s):** 08:58 09:58

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Tetrachloro-m-xylene		4.06	4.06	4.01	4.11	0.00
Decachlorobiphenyl		9.20	9.21	9.11	9.31	0.01
AR1016	(1)	4.43	4.44	4.39	4.49	0.01
AR1016	(2)	4.93	4.94	4.89	4.99	0.01
AR1016	(3)	5.23	5.23	5.18	5.28	0.00
AR1016	(4)	5.35	5.36	5.31	5.41	0.01
AR1016	(5)	5.61	5.61	5.56	5.66	0.00
AR1260	(1)	6.65	6.65	6.60	6.70	0.01
AR1260	(2)	6.83	6.83	6.78	6.88	0.00
AR1260	(3)	6.99	7.00	6.95	7.05	0.01
AR1260	(4)	7.71	7.71	7.66	7.76	0.01
AR1260	(5)	8.06	8.06	8.01	8.11	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2013 01/28/2013

Client Sample No.: CCAL01 **Date Analyzed:** 02/14/2013

Lab Sample No.: AR1660CCC250 **Data File :** PO007018.D **Time Analyzed:** 11:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
AR1016 (1)	5.471	5.430	5.530	0.284	0.250	13.6
AR1016 (2)	5.757	5.710	5.810	0.266	0.250	6.4
AR1016 (3)	5.820	5.770	5.870	0.274	0.250	9.6
AR1016 (4)	5.918	5.870	5.970	0.266	0.250	6.4
AR1016 (5)	6.348	6.300	6.400	0.259	0.250	3.6
AR1260 (1)	7.325	7.280	7.380	0.269	0.250	7.6
AR1260 (2)	7.863	7.820	7.920	0.262	0.250	4.8
AR1260 (3)	8.496	8.450	8.550	0.279	0.250	11.6
AR1260 (4)	8.832	8.780	8.880	0.255	0.250	2.0
AR1260 (5)	9.576	9.530	9.630	0.267	0.250	6.8
Tetrachloro-m-xylene	4.586	4.540	4.640	0.027	0.025	8.0
Decachlorobiphenyl	10.339	10.240	10.440	0.025	0.025	0.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2013 01/28/2013

Client Sample No.: CCAL01 **Date Analyzed:** 02/14/2013

Lab Sample No.: AR1660CCC250 **Data File :** PO007018.D **Time Analyzed:** 11:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
AR1016 (1)	4.434	4.390	4.490	0.269	0.250	7.6
AR1016 (2)	4.932	4.890	4.990	0.264	0.250	5.6
AR1016 (3)	5.229	5.180	5.280	0.255	0.250	2.0
AR1016 (4)	5.352	5.310	5.410	0.249	0.250	0.4
AR1016 (5)	5.607	5.560	5.660	0.248	0.250	0.8
AR1260 (1)	6.645	6.600	6.700	0.252	0.250	0.8
AR1260 (2)	6.830	6.780	6.880	0.245	0.250	2.0
AR1260 (3)	6.992	6.950	7.050	0.248	0.250	0.8
AR1260 (4)	7.705	7.660	7.760	0.243	0.250	2.8
AR1260 (5)	8.058	8.010	8.110	0.239	0.250	4.4
Tetrachloro-m-xylene	4.058	4.010	4.110	0.026	0.025	4.0
Decachlorobiphenyl	9.203	9.110	9.310	0.024	0.025	4.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/14/2013 **Initial Calibration Date(s):** 01/28/2013 01/28/2013

Continuing Calib Time: 15:31 **Initial Calibration Time(s):** 08:58 09:58

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Tetrachloro-m-xylene		4.59	4.59	4.54	4.64	0.00
Decachlorobiphenyl		10.34	10.34	10.24	10.44	0.01
AR1016	(1)	5.47	5.48	5.43	5.53	0.01
AR1016	(2)	5.76	5.76	5.71	5.81	0.00
AR1016	(3)	5.82	5.82	5.77	5.87	0.00
AR1016	(4)	5.92	5.92	5.87	5.97	0.00
AR1016	(5)	6.35	6.35	6.30	6.40	0.00
AR1260	(1)	7.32	7.33	7.28	7.38	0.01
AR1260	(2)	7.86	7.87	7.82	7.92	0.01
AR1260	(3)	8.49	8.50	8.45	8.55	0.01
AR1260	(4)	8.83	8.83	8.78	8.88	0.00
AR1260	(5)	9.58	9.58	9.53	9.63	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/14/2013 **Initial Calibration Date(s):** 01/28/2013 01/28/2013

Continuing Calib Time: 15:31 **Initial Calibration Time(s):** 08:58 09:58

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Tetrachloro-m-xylene		4.06	4.06	4.01	4.11	0.00
Decachlorobiphenyl		9.20	9.21	9.11	9.31	0.01
AR1016	(1)	4.44	4.44	4.39	4.49	0.00
AR1016	(2)	4.93	4.94	4.89	4.99	0.01
AR1016	(3)	5.23	5.23	5.18	5.28	0.00
AR1016	(4)	5.35	5.36	5.31	5.41	0.01
AR1016	(5)	5.61	5.61	5.56	5.66	0.00
AR1260	(1)	6.65	6.65	6.60	6.70	0.00
AR1260	(2)	6.83	6.83	6.78	6.88	0.00
AR1260	(3)	6.99	7.00	6.95	7.05	0.01
AR1260	(4)	7.70	7.71	7.66	7.76	0.01
AR1260	(5)	8.06	8.06	8.01	8.11	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2013 01/28/2013

Client Sample No.: CCAL02 **Date Analyzed:** 02/14/2013

Lab Sample No.: AR1660CCC250 **Data File :** PO007029.D **Time Analyzed:** 15:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
AR1016 (1)	5.472	5.430	5.530	0.279	0.250	11.6
AR1016 (2)	5.757	5.710	5.810	0.265	0.250	6.0
AR1016 (3)	5.820	5.770	5.870	0.279	0.250	11.6
AR1016 (4)	5.918	5.870	5.970	0.268	0.250	7.2
AR1016 (5)	6.348	6.300	6.400	0.256	0.250	2.4
AR1260 (1)	7.323	7.280	7.380	0.270	0.250	8.0
AR1260 (2)	7.862	7.820	7.920	0.263	0.250	5.2
AR1260 (3)	8.494	8.450	8.550	0.280	0.250	12.0
AR1260 (4)	8.830	8.780	8.880	0.258	0.250	3.2
AR1260 (5)	9.576	9.530	9.630	0.269	0.250	7.6
Tetrachloro-m-xylene	4.586	4.540	4.640	0.027	0.025	8.0
Decachlorobiphenyl	10.335	10.240	10.440	0.025	0.025	0.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2013 01/28/2013

Client Sample No.: CCAL02 **Date Analyzed:** 02/14/2013

Lab Sample No.: AR1660CCC250 **Data File :** PO007029.D **Time Analyzed:** 15:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
AR1016 (1)	4.436	4.390	4.490	0.268	0.250	7.2
AR1016 (2)	4.933	4.890	4.990	0.285	0.250	14.0
AR1016 (3)	5.231	5.180	5.280	0.254	0.250	1.6
AR1016 (4)	5.353	5.310	5.410	0.257	0.250	2.8
AR1016 (5)	5.608	5.560	5.660	0.250	0.250	0.0
AR1260 (1)	6.646	6.600	6.700	0.252	0.250	0.8
AR1260 (2)	6.830	6.780	6.880	0.246	0.250	1.6
AR1260 (3)	6.992	6.950	7.050	0.248	0.250	0.8
AR1260 (4)	7.704	7.660	7.760	0.244	0.250	2.4
AR1260 (5)	8.058	8.010	8.110	0.241	0.250	3.6
Tetrachloro-m-xylene	4.058	4.010	4.110	0.026	0.025	4.0
Decachlorobiphenyl	9.203	9.110	9.310	0.024	0.025	4.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/15/2013 **Initial Calibration Date(s):** 01/28/2013 01/28/2013

Continuing Calib Time: 10:55 **Initial Calibration Time(s):** 08:58 09:58

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Tetrachloro-m-xylene		4.59	4.59	4.54	4.64	0.00
Decachlorobiphenyl		10.34	10.34	10.24	10.44	0.00
AR1016	(1)	5.47	5.48	5.43	5.53	0.01
AR1016	(2)	5.76	5.76	5.71	5.81	0.00
AR1016	(3)	5.82	5.82	5.77	5.87	0.00
AR1016	(4)	5.92	5.92	5.87	5.97	0.00
AR1016	(5)	6.35	6.35	6.30	6.40	0.00
AR1260	(1)	7.32	7.33	7.28	7.38	0.01
AR1260	(2)	7.86	7.87	7.82	7.92	0.01
AR1260	(3)	8.50	8.50	8.45	8.55	0.00
AR1260	(4)	8.83	8.83	8.78	8.88	0.00
AR1260	(5)	9.58	9.58	9.53	9.63	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/15/2013 **Initial Calibration Date(s):** 01/28/2013 01/28/2013

Continuing Calib Time: 10:55 **Initial Calibration Time(s):** 08:58 09:58

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Tetrachloro-m-xylene		4.06	4.06	4.01	4.11	0.00
Decachlorobiphenyl		9.20	9.21	9.11	9.31	0.01
AR1016	(1)	4.44	4.44	4.39	4.49	0.01
AR1016	(2)	4.93	4.94	4.89	4.99	0.01
AR1016	(3)	5.23	5.23	5.18	5.28	0.00
AR1016	(4)	5.35	5.36	5.31	5.41	0.01
AR1016	(5)	5.61	5.61	5.56	5.66	0.00
AR1260	(1)	6.65	6.65	6.60	6.70	0.01
AR1260	(2)	6.83	6.83	6.78	6.88	0.00
AR1260	(3)	6.99	7.00	6.95	7.05	0.01
AR1260	(4)	7.70	7.71	7.66	7.76	0.01
AR1260	(5)	8.06	8.06	8.01	8.11	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2013 01/28/2013

Client Sample No.: CCAL03 **Date Analyzed:** 02/15/2013

Lab Sample No.: AR1660CCC250 **Data File :** PO007032.D **Time Analyzed:** 10:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
AR1016 (1)	5.472	5.430	5.530	0.284	0.250	13.6
AR1016 (2)	5.756	5.710	5.810	0.270	0.250	8.0
AR1016 (3)	5.820	5.770	5.870	0.287	0.250	14.8
AR1016 (4)	5.919	5.870	5.970	0.270	0.250	8.0
AR1016 (5)	6.348	6.300	6.400	0.266	0.250	6.4
AR1260 (1)	7.324	7.280	7.380	0.274	0.250	9.6
AR1260 (2)	7.862	7.820	7.920	0.270	0.250	8.0
AR1260 (3)	8.496	8.450	8.550	0.284	0.250	13.6
AR1260 (4)	8.832	8.780	8.880	0.263	0.250	5.2
AR1260 (5)	9.577	9.530	9.630	0.271	0.250	8.4
Tetrachloro-m-xylene	4.587	4.540	4.640	0.027	0.025	8.0
Decachlorobiphenyl	10.338	10.240	10.440	0.025	0.025	0.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2013 01/28/2013

Client Sample No.: CCAL03 **Date Analyzed:** 02/15/2013

Lab Sample No.: AR1660CCC250 **Data File :** PO007032.D **Time Analyzed:** 10:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
AR1016 (1)	4.435	4.390	4.490	0.266	0.250	6.4
AR1016 (2)	4.932	4.890	4.990	0.261	0.250	4.4
AR1016 (3)	5.230	5.180	5.280	0.255	0.250	2.0
AR1016 (4)	5.352	5.310	5.410	0.251	0.250	0.4
AR1016 (5)	5.607	5.560	5.660	0.247	0.250	1.2
AR1260 (1)	6.645	6.600	6.700	0.253	0.250	1.2
AR1260 (2)	6.830	6.780	6.880	0.250	0.250	0.0
AR1260 (3)	6.992	6.950	7.050	0.248	0.250	0.8
AR1260 (4)	7.704	7.660	7.760	0.245	0.250	2.0
AR1260 (5)	8.058	8.010	8.110	0.240	0.250	4.0
Tetrachloro-m-xylene	4.057	4.010	4.110	0.026	0.025	4.0
Decachlorobiphenyl	9.203	9.110	9.310	0.024	0.025	4.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/15/2013 **Initial Calibration Date(s):** 01/28/2013 01/28/2013

Continuing Calib Time: 14:18 **Initial Calibration Time(s):** 08:58 09:58

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Tetrachloro-m-xylene		4.59	4.59	4.54	4.64	0.00
Decachlorobiphenyl		10.34	10.34	10.24	10.44	0.00
AR1016	(1)	5.47	5.48	5.43	5.53	0.01
AR1016	(2)	5.76	5.76	5.71	5.81	0.00
AR1016	(3)	5.82	5.82	5.77	5.87	0.00
AR1016	(4)	5.92	5.92	5.87	5.97	0.00
AR1016	(5)	6.35	6.35	6.30	6.40	0.00
AR1260	(1)	7.33	7.33	7.28	7.38	0.01
AR1260	(2)	7.86	7.87	7.82	7.92	0.01
AR1260	(3)	8.50	8.50	8.45	8.55	0.00
AR1260	(4)	8.83	8.83	8.78	8.88	0.00
AR1260	(5)	9.58	9.58	9.53	9.63	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/15/2013 **Initial Calibration Date(s):** 01/28/2013 01/28/2013

Continuing Calib Time: 14:18 **Initial Calibration Time(s):** 08:58 09:58

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Tetrachloro-m-xylene		4.06	4.06	4.01	4.11	0.00
Decachlorobiphenyl		9.20	9.21	9.11	9.31	0.01
AR1016	(1)	4.43	4.44	4.39	4.49	0.01
AR1016	(2)	4.93	4.94	4.89	4.99	0.01
AR1016	(3)	5.23	5.23	5.18	5.28	0.00
AR1016	(4)	5.35	5.36	5.31	5.41	0.01
AR1016	(5)	5.61	5.61	5.56	5.66	0.00
AR1260	(1)	6.65	6.65	6.60	6.70	0.00
AR1260	(2)	6.83	6.83	6.78	6.88	0.00
AR1260	(3)	6.99	7.00	6.95	7.05	0.01
AR1260	(4)	7.71	7.71	7.66	7.76	0.01
AR1260	(5)	8.06	8.06	8.01	8.11	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2013 01/28/2013

Client Sample No.: CCAL04 **Date Analyzed:** 02/15/2013

Lab Sample No.: AR1660CCC250 **Data File :** PO007040.D **Time Analyzed:** 14:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
AR1016 (1)	5.472	5.430	5.530	0.267	0.250	6.8
AR1016 (2)	5.757	5.710	5.810	0.272	0.250	8.8
AR1016 (3)	5.821	5.770	5.870	0.292	0.250	16.8
AR1016 (4)	5.919	5.870	5.970	0.274	0.250	9.6
AR1016 (5)	6.349	6.300	6.400	0.266	0.250	6.4
AR1260 (1)	7.325	7.280	7.380	0.275	0.250	10.0
AR1260 (2)	7.863	7.820	7.920	0.271	0.250	8.4
AR1260 (3)	8.497	8.450	8.550	0.284	0.250	13.6
AR1260 (4)	8.832	8.780	8.880	0.264	0.250	5.6
AR1260 (5)	9.578	9.530	9.630	0.273	0.250	9.2
Tetrachloro-m-xylene	4.587	4.540	4.640	0.027	0.025	8.0
Decachlorobiphenyl	10.340	10.240	10.440	0.025	0.025	0.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/28/2013 01/28/2013

Client Sample No.: CCAL04 **Date Analyzed:** 02/15/2013

Lab Sample No.: AR1660CCC250 **Data File :** PO007040.D **Time Analyzed:** 14:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
AR1016 (1)	4.434	4.390	4.490	0.263	0.250	5.2
AR1016 (2)	4.932	4.890	4.990	0.259	0.250	3.6
AR1016 (3)	5.230	5.180	5.280	0.250	0.250	0.0
AR1016 (4)	5.352	5.310	5.410	0.252	0.250	0.8
AR1016 (5)	5.607	5.560	5.660	0.248	0.250	0.8
AR1260 (1)	6.646	6.600	6.700	0.261	0.250	4.4
AR1260 (2)	6.830	6.780	6.880	0.255	0.250	2.0
AR1260 (3)	6.992	6.950	7.050	0.251	0.250	0.4
AR1260 (4)	7.705	7.660	7.760	0.249	0.250	0.4
AR1260 (5)	8.059	8.010	8.110	0.242	0.250	3.2
Tetrachloro-m-xylene	4.056	4.010	4.110	0.026	0.025	4.0
Decachlorobiphenyl	9.204	9.110	9.310	0.024	0.025	4.0

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Analytical Sequence

Client:	Sustainable Management LLC	SDG No.:	E1297
Project:	Price Landfill	Instrument ID:	ECD_O
GC Column:	ZB-MR1 ID: 0.32 (mm)	Inst. Calib. Date(s):	01/28/2013 01/28/2013

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	TCX RT #	DCB RT #
PIBLK01	I.BLK01	01/28/2013	08:43	PO006646.D	4.59	10.35
AR166001	AR1660ICC1000	01/28/2013	08:58	PO006647.D	4.59	10.34
AR166002	AR1660ICC750	01/28/2013	09:13	PO006648.D	4.59	10.34
AR166003	AR1660ICC500	01/28/2013	09:28	PO006649.D	4.59	10.34
AR166004	AR1660ICC250	01/28/2013	09:43	PO006650.D	4.59	10.35
AR166005	AR1660ICC50	01/28/2013	09:58	PO006651.D	4.59	10.34
AR122101	AR1221ICC500	01/28/2013	10:53	PO006652.D	4.60	10.36
AR123201	AR1232ICC500	01/28/2013	11:08	PO006653.D	4.59	10.35
AR124201	AR1242ICC500	01/28/2013	13:42	PO006656.D	4.59	10.35
AR124801	AR1248ICC500	01/28/2013	14:27	PO006659.D	4.59	10.35
AR125401	AR1254ICC500	01/28/2013	15:12	PO006662.D	4.59	10.35
PIBLK02	I.BLK02	02/14/2013	10:59	PO007017.D	4.59	10.34
CCAL01	AR1660CCC250	02/14/2013	11:14	PO007018.D	4.59	10.34
PB68346BL	PB68346BL	02/14/2013	14:16	PO007024.D	4.59	10.35
PB68346BS	PB68346BS	02/14/2013	14:31	PO007025.D	4.59	10.34
PB68346BSD	PB68346BSD	02/14/2013	14:46	PO007026.D	4.59	10.34
GW	E1297-03	02/14/2013	15:01	PO007027.D	4.59	10.34
PIBLK03	I.BLK03	02/14/2013	15:16	PO007028.D	4.59	10.34
CCAL02	AR1660CCC250	02/14/2013	15:31	PO007029.D	4.59	10.34
PIBLK04	I.BLK04	02/15/2013	10:40	PO007031.D	4.59	10.34
CCAL03	AR1660CCC250	02/15/2013	10:55	PO007032.D	4.59	10.34
PB68352BL	PB68352BL	02/15/2013	11:52	PO007033.D	4.59	10.35
PB68352BS	PB68352BS	02/15/2013	12:07	PO007034.D	4.59	10.34
SB0-2	E1297-01	02/15/2013	12:22	PO007035.D	4.59	10.34
SB28-30	E1297-02	02/15/2013	12:37	PO007036.D	4.59	10.34
SB28-30MS	E1297-02MS	02/15/2013	12:52	PO007037.D	4.59	10.34
SB28-30MSD	E1297-02MSD	02/15/2013	13:07	PO007038.D	4.59	10.34
PIBLK05	I.BLK05	02/15/2013	14:03	PO007039.D	4.59	10.35
CCAL04	AR1660CCC250	02/15/2013	14:18	PO007040.D	4.59	10.34

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Analytical Sequence

Client:	Sustainable Management LLC	SDG No.:	E1297
Project:	Price Landfill	Instrument ID:	ECD_O
GC Column:	ZB-MR2 ID: 0.32 (mm)	Inst. Calib. Date(s):	01/28/2013 01/28/2013

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	TCX RT #	DCB RT #
PIBLK01	I.BLK01	01/28/2013	08:43	PO006646.D	4.06	9.21
AR166001	AR1660ICC1000	01/28/2013	08:58	PO006647.D	4.06	9.21
AR166002	AR1660ICC750	01/28/2013	09:13	PO006648.D	4.06	9.21
AR166003	AR1660ICC500	01/28/2013	09:28	PO006649.D	4.06	9.21
AR166004	AR1660ICC250	01/28/2013	09:43	PO006650.D	4.06	9.21
AR166005	AR1660ICC50	01/28/2013	09:58	PO006651.D	4.06	9.21
AR122101	AR1221ICC500	01/28/2013	10:53	PO006652.D	4.06	9.22
AR123201	AR1232ICC500	01/28/2013	11:08	PO006653.D	4.06	9.21
AR124201	AR1242ICC500	01/28/2013	13:42	PO006656.D	4.06	9.21
AR124801	AR1248ICC500	01/28/2013	14:27	PO006659.D	4.06	9.21
AR125401	AR1254ICC500	01/28/2013	15:12	PO006662.D	4.06	9.21
PIBLK02	I.BLK02	02/14/2013	10:59	PO007017.D	4.06	9.20
CCAL01	AR1660CCC250	02/14/2013	11:14	PO007018.D	4.06	9.20
PB68346BL	PB68346BL	02/14/2013	14:16	PO007024.D	4.06	9.21
PB68346BS	PB68346BS	02/14/2013	14:31	PO007025.D	4.06	9.20
PB68346BSD	PB68346BSD	02/14/2013	14:46	PO007026.D	4.06	9.20
GW	E1297-03	02/14/2013	15:01	PO007027.D	4.06	9.20
PIBLK03	I.BLK03	02/14/2013	15:16	PO007028.D	4.06	9.20
CCAL02	AR1660CCC250	02/14/2013	15:31	PO007029.D	4.06	9.20
PIBLK04	I.BLK04	02/15/2013	10:40	PO007031.D	4.06	9.20
CCAL03	AR1660CCC250	02/15/2013	10:55	PO007032.D	4.06	9.20
PB68352BL	PB68352BL	02/15/2013	11:52	PO007033.D	4.06	9.21
PB68352BS	PB68352BS	02/15/2013	12:07	PO007034.D	4.06	9.20
SB0-2	E1297-01	02/15/2013	12:22	PO007035.D	4.06	9.20
SB28-30	E1297-02	02/15/2013	12:37	PO007036.D	4.06	9.20
SB28-30MS	E1297-02MS	02/15/2013	12:52	PO007037.D	4.06	9.20
SB28-30MSD	E1297-02MSD	02/15/2013	13:07	PO007038.D	4.06	9.20
PIBLK05	I.BLK05	02/15/2013	14:03	PO007039.D	4.06	9.21
CCAL04	AR1660CCC250	02/15/2013	14:18	PO007040.D	4.06	9.20

QC SAMPLE DATA

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68346BL	SDG No.:	E1297
Lab Sample ID:	PB68346BL	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007024.D	1	02/14/13	02/14/13	PB68346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.7		35 - 137		114%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		40 - 135		108%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68352BL	SDG No.:	E1297
Lab Sample ID:	PB68352BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	0 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007033.D	1	02/14/13	02/15/13	PB68352

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	8.5	U	3.5	8.5	17	ug/Kg
11104-28-2	Aroclor-1221	8.5	U	3.4	8.5	17	ug/Kg
11141-16-5	Aroclor-1232	8.5	U	7.5	8.5	17	ug/Kg
53469-21-9	Aroclor-1242	8.5	U	3.4	8.5	17	ug/Kg
12672-29-6	Aroclor-1248	8.5	U	6.6	8.5	17	ug/Kg
11097-69-1	Aroclor-1254	8.5	U	1.5	8.5	17	ug/Kg
11096-82-5	Aroclor-1260	8.5	U	4.1	8.5	17	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.9		10 - 166		115%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		60 - 125		107%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	01/28/13
Project:	Samoo Architects	Date Received:	01/28/13
Client Sample ID:	PIBLK-PO006646.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PO006646.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO006646.D	1		01/28/13	PO012813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.1		35 - 137		91%	SPK: 20
2051-24-3	Decachlorobiphenyl	19		40 - 135		95%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/14/13
Project:	Samoo Architects	Date Received:	02/14/13
Client Sample ID:	PIBLK-PO007017.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PO007017.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007017.D	1		02/14/13	PO021413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.7		35 - 137		113%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		40 - 135		106%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/14/13
Project:	Samoo Architects	Date Received:	02/14/13
Client Sample ID:	PIBLK-PO007028.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PO007028.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007028.D	1		02/14/13	PO021413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.2		35 - 137		111%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		40 - 135		106%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/15/13
Project:	Samoo Architects	Date Received:	02/15/13
Client Sample ID:	PIBLK-PO007031.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PO007031.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007031.D	1		02/15/13	PO021513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.7	*	35 - 137		138%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.2		40 - 135		126%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/15/13
Project:	Samoo Architects	Date Received:	02/15/13
Client Sample ID:	PIBLK-PO007039.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PO007039.D	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007039.D	1		02/15/13	PO021513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	27.8	*	35 - 137		139%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.3		40 - 135		126%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68346BS	SDG No.:	E1297
Lab Sample ID:	PB68346BS	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007025.D	1	02/14/13	02/14/13	PB68346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	2.3		0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	2.3		0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.2		35 - 137		116%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.1		40 - 135		111%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68352BS	SDG No.:	E1297
Lab Sample ID:	PB68352BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	0 Decanted:
Sample Wt/Vol:	30 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007034.D	1	02/14/13	02/15/13	PB68352

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	76		3.5	8.5	17	ug/Kg
11104-28-2	Aroclor-1221	8.5	U	3.4	8.5	17	ug/Kg
11141-16-5	Aroclor-1232	8.5	U	7.5	8.5	17	ug/Kg
53469-21-9	Aroclor-1242	8.5	U	3.4	8.5	17	ug/Kg
12672-29-6	Aroclor-1248	8.5	U	6.6	8.5	17	ug/Kg
11097-69-1	Aroclor-1254	8.5	U	1.5	8.5	17	ug/Kg
11096-82-5	Aroclor-1260	76		4.1	8.5	17	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.4		10 - 166		117%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		60 - 125		111%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68346BSD	SDG No.:	E1297
Lab Sample ID:	PB68346BSD	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007026.D	1	02/14/13	02/14/13	PB68346

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	2.3		0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	2.3		0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.9		35 - 137		114%	SPK: 20
2051-24-3	Decachlorobiphenyl	22		40 - 135		110%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30MS	SDG No.:	E1297
Lab Sample ID:	E1297-02MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007037.D	1	02/14/13	02/15/13	PB68352

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	84		4.4	11	22	ug/Kg
11104-28-2	Aroclor-1221	11	U	4.3	11	22	ug/Kg
11141-16-5	Aroclor-1232	11	U	9.6	11	22	ug/Kg
53469-21-9	Aroclor-1242	11	U	4.3	11	22	ug/Kg
12672-29-6	Aroclor-1248	11	U	8.4	11	22	ug/Kg
11097-69-1	Aroclor-1254	11	U	1.9	11	22	ug/Kg
11096-82-5	Aroclor-1260	84		5.3	11	22	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.5		10 - 166		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 125		91%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30MSD	SDG No.:	E1297
Lab Sample ID:	E1297-02MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	22 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO007038.D	1	02/14/13	02/15/13	PB68352

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	88		4.4	11	22	ug/Kg
11104-28-2	Aroclor-1221	11	U	4.4	11	22	ug/Kg
11141-16-5	Aroclor-1232	11	U	9.6	11	22	ug/Kg
53469-21-9	Aroclor-1242	11	U	4.4	11	22	ug/Kg
12672-29-6	Aroclor-1248	11	U	8.4	11	22	ug/Kg
11097-69-1	Aroclor-1254	11	U	1.9	11	22	ug/Kg
11096-82-5	Aroclor-1260	91		5.3	11	22	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.7		10 - 166		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		60 - 125		95%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.
PB68346BS

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68346BS Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
AR1016	1	5.47	5.43	5.53	2.18		
	2	5.76	5.71	5.81	2.26		
	3	5.82	5.77	5.87	2.29		
COLUMN 1	4	5.92	5.87	5.97	2.28		
	5	6.35	6.30	6.40	2.26	2.30	
	1	4.43	4.39	4.49	2.85		
	2	4.93	4.89	4.99	2.34		
	3	5.23	5.18	5.28	2.14		
	4	5.35	5.31	5.41	2.08		
COLUMN 2	5	5.61	5.56	5.66	2.09	2.30	0.00
AR1260	1	7.33	7.28	7.38	2.29		
	2	7.86	7.82	7.92	2.42		
	3	8.50	8.45	8.55	2.33		
COLUMN 1	4	8.83	8.78	8.88	2.21		
	5	9.58	9.53	9.63	2.33	2.30	
	1	6.65	6.60	6.70	2.19		
	2	6.83	6.78	6.88	2.10		
	3	6.99	6.95	7.05	2.11		
	4	7.70	7.66	7.76	2.12		
COLUMN 2	5	8.06	8.01	8.11	2.06	2.10	9.50

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.
PB68346BSD

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68346BSD Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
AR1016	1	5.47	5.43	5.53	2.11		
	2	5.76	5.71	5.81	2.22		
	3	5.82	5.77	5.87	2.25		
COLUMN 1	4	5.92	5.87	5.97	2.24		
	5	6.35	6.30	6.40	2.23	2.20	
	1	4.43	4.39	4.49	2.74		
	2	4.93	4.89	4.99	2.30		
	3	5.23	5.18	5.28	2.14		
	4	5.35	5.31	5.41	2.08		
COLUMN 2	5	5.61	5.56	5.66	2.11	2.30	4.50
AR1260	1	7.32	7.28	7.38	2.29		
	2	7.86	7.82	7.92	2.25		
	3	8.50	8.45	8.55	2.33		
COLUMN 1	4	8.83	8.78	8.88	2.18		
	5	9.58	9.53	9.63	2.32	2.30	
	1	6.65	6.60	6.70	2.19		
	2	6.83	6.78	6.88	2.16		
	3	6.99	6.95	7.05	2.12		
	4	7.70	7.66	7.76	2.10		
COLUMN 2	5	8.06	8.01	8.11	2.04	2.10	9.50

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.
PB68352BS

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68352BS Date(s) Analyzed: 02/15/2013 02/15/2013

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
AR1016	1	5.47	5.43	5.53	79.84		
	2	5.76	5.71	5.81	74.53		
	3	5.82	5.77	5.87	76.84		
COLUMN 1	4	5.92	5.87	5.97	74.85		
	5	6.35	6.30	6.40	74.24	76.00	
	1	4.43	4.39	4.49	86.24		
	2	4.93	4.89	4.99	76.55		
	3	5.23	5.18	5.28	70.13		
	4	5.35	5.31	5.41	67.69		
COLUMN 2	5	5.61	5.56	5.66	68.52	74.00	2.70
AR1260	1	7.33	7.28	7.38	76.01		
	2	7.86	7.82	7.92	74.49		
	3	8.50	8.45	8.55	77.13		
COLUMN 1	4	8.83	8.78	8.88	72.40		
	5	9.58	9.53	9.63	79.75	76.00	
	1	6.65	6.60	6.70	71.29		
	2	6.83	6.78	6.88	70.44		
	3	6.99	6.95	7.05	69.77		
	4	7.71	7.66	7.76	68.63		
COLUMN 2	5	8.06	8.01	8.11	66.83	69.00	10.10

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.
SB28-30MS

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: E1297-02MS Date(s) Analyzed: 02/15/2013 02/15/2013

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
AR1016	1	5.47	5.43	5.53	81.25		
	2	5.76	5.71	5.81	84.50		
	3	5.82	5.77	5.87	86.98		
COLUMN 1	4	5.92	5.87	5.97	86.17		
	5	6.35	6.30	6.40	79.99	84.00	
	1	4.44	4.39	4.49	95.50		
	2	4.93	4.89	4.99	87.29		
	3	5.23	5.18	5.28	80.02		
	4	5.35	5.31	5.41	78.26		
COLUMN 2	5	5.61	5.56	5.66	76.47	84.00	0.00
AR1260	1	7.32	7.28	7.38	83.83		
	2	7.86	7.82	7.92	81.79		
	3	8.50	8.45	8.55	82.62		
COLUMN 1	4	8.83	8.78	8.88	78.68		
	5	9.58	9.53	9.63	91.08	84.00	
	1	6.65	6.60	6.70	80.23		
	2	6.83	6.78	6.88	78.90		
	3	6.99	6.95	7.05	77.51		
	4	7.71	7.66	7.76	76.11		
COLUMN 2	5	8.06	8.01	8.11	74.00	77.00	9.10

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.
SB28-30MSD

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: E1297-02MSD Date(s) Analyzed: 02/15/2013 02/15/2013

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
AR1016	1	5.47	5.43	5.53	92.21		
	2	5.76	5.71	5.81	86.34		
	3	5.82	5.77	5.87	88.02		
COLUMN 1	4	5.92	5.87	5.97	87.61		
	5	6.35	6.30	6.40	84.69	88.00	
	1	4.44	4.39	4.49	97.10		
	2	4.93	4.89	4.99	84.03		
	3	5.23	5.18	5.28	80.18		
	4	5.35	5.31	5.41	78.31		
COLUMN 2	5	5.61	5.56	5.66	79.27	84.00	4.80
AR1260	1	7.32	7.28	7.38	87.88		
	2	7.86	7.82	7.92	85.90		
	3	8.49	8.45	8.55	87.64		
COLUMN 1	4	8.83	8.78	8.88	83.33		
	5	9.58	9.53	9.63	110.67	91.00	
	1	6.65	6.60	6.70	83.16		
	2	6.83	6.78	6.88	82.61		
	3	6.99	6.95	7.05	80.29		
	4	7.70	7.66	7.76	80.07		
COLUMN 2	5	8.06	8.01	8.11	77.88	81.00	12.30

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LAB CHRONICLE

OrderID:	E1297	**OrderDate:**	2/13/2013 12:49:32 PM
Client:	Sustainable Management LLC	**Project:**	Samoo Architects
Contact:	Chunyuan Li	**Location:**	G32

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
E1297-01	**SB0-2**	**SOIL**			**02/12/13**			**02/13/13**
			PCB	8082A		02/14/13	02/15/13	
			Pesticide-TCL	8081B		02/14/13	02/14/13	
E1297-02	**SB28-30**	**SOIL**			**02/12/13**			**02/13/13**
			PCB	8082A		02/14/13	02/15/13	
			Pesticide-TCL	8081B		02/14/13	02/14/13	
E1297-03	**GW**	**WATER**			**02/12/13**			**02/13/13**
			PCB	8082A		02/14/13	02/14/13	
			Pesticide-TCL	8081B		02/14/13	02/14/13	

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: **Order ID:**

Client: **Project ID:**

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :								

Total Concentration:

SAMPLE DATA

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2	SDG No.:	E1297
Lab Sample ID:	E1297-01	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	18.2 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002512.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	1.05	U	0.16	1.05	2.1	ug/Kg
319-85-7	beta-BHC	1.05	U	0.22	1.05	2.1	ug/Kg
319-86-8	delta-BHC	1.05	U	0.12	1.05	2.1	ug/Kg
58-89-9	gamma-BHC	1.05	U	0.18	1.05	2.1	ug/Kg
76-44-8	Heptachlor	1.05	U	0.17	1.05	2.1	ug/Kg
309-00-2	Aldrin	1.05	U	0.12	1.05	2.1	ug/Kg
1024-57-3	Heptachlor epoxide	1.05	U	0.2	1.05	2.1	ug/Kg
959-98-8	Endosulfan I	1.05	U	0.18	1.05	2.1	ug/Kg
60-57-1	Dieldrin	1.05	U	0.16	1.05	2.1	ug/Kg
72-55-9	4,4-DDE	1.05	U	0.24	1.05	2.1	ug/Kg
72-20-8	Endrin	1.05	U	0.22	1.05	2.1	ug/Kg
33213-65-9	Endosulfan II	1.05	U	0.17	1.05	2.1	ug/Kg
72-54-8	4,4-DDD	1.05	U	0.21	1.05	2.1	ug/Kg
1031-07-8	Endosulfan Sulfate	1.05	U	0.18	1.05	2.1	ug/Kg
50-29-3	4,4-DDT	1.05	U	0.17	1.05	2.1	ug/Kg
72-43-5	Methoxychlor	1.05	U	0.21	1.05	2.1	ug/Kg
53494-70-5	Endrin ketone	1.05	U	0.16	1.05	2.1	ug/Kg
7421-93-4	Endrin aldehyde	1.05	U	0.18	1.05	2.1	ug/Kg
5103-71-9	alpha-Chlordane	1.05	U	0.17	1.05	2.1	ug/Kg
5103-74-2	gamma-Chlordane	1.05	U	0.16	1.05	2.1	ug/Kg
8001-35-2	Toxaphene	10.5	U	4.1	10.5	21	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.6		10 - 169		98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21		31 - 151		105%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2	SDG No.:	E1297
Lab Sample ID:	E1297-01	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	18.2 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002512.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30	SDG No.:	E1297
Lab Sample ID:	E1297-02	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	22.2 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002513.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	1.1	U	0.17	1.1	2.2	ug/Kg
319-85-7	beta-BHC	1.1	U	0.23	1.1	2.2	ug/Kg
319-86-8	delta-BHC	1.1	U	0.13	1.1	2.2	ug/Kg
58-89-9	gamma-BHC	1.1	U	0.19	1.1	2.2	ug/Kg
76-44-8	Heptachlor	1.1	U	0.18	1.1	2.2	ug/Kg
309-00-2	Aldrin	1.1	U	0.13	1.1	2.2	ug/Kg
1024-57-3	Heptachlor epoxide	1.1	U	0.21	1.1	2.2	ug/Kg
959-98-8	Endosulfan I	1.1	U	0.19	1.1	2.2	ug/Kg
60-57-1	Dieldrin	1.1	U	0.17	1.1	2.2	ug/Kg
72-55-9	4,4-DDE	1.1	U	0.26	1.1	2.2	ug/Kg
72-20-8	Endrin	1.1	U	0.23	1.1	2.2	ug/Kg
33213-65-9	Endosulfan II	1.1	U	0.18	1.1	2.2	ug/Kg
72-54-8	4,4-DDD	1.1	U	0.22	1.1	2.2	ug/Kg
1031-07-8	Endosulfan Sulfate	1.1	U	0.19	1.1	2.2	ug/Kg
50-29-3	4,4-DDT	1.1	U	0.18	1.1	2.2	ug/Kg
72-43-5	Methoxychlor	1.1	U	0.22	1.1	2.2	ug/Kg
53494-70-5	Endrin ketone	1.1	U	0.17	1.1	2.2	ug/Kg
7421-93-4	Endrin aldehyde	1.1	U	0.19	1.1	2.2	ug/Kg
5103-71-9	alpha-Chlordane	1.1	U	0.18	1.1	2.2	ug/Kg
5103-74-2	gamma-Chlordane	1.1	U	0.17	1.1	2.2	ug/Kg
8001-35-2	Toxaphene	11	U	4.4	11	22	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.4		10 - 169		97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		31 - 151		104%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30	SDG No.:	E1297
Lab Sample ID:	E1297-02	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	22.2 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002513.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-03	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	990 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002509.D	1	02/14/13	02/14/13	PB68347

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.026	U	0.0052	0.026	0.051	ug/L
319-85-7	beta-BHC	0.026	U	0.0087	0.026	0.051	ug/L
319-86-8	delta-BHC	0.026	U	0.0057	0.026	0.051	ug/L
58-89-9	gamma-BHC	0.026	U	0.0056	0.026	0.051	ug/L
76-44-8	Heptachlor	0.026	U	0.007	0.026	0.051	ug/L
309-00-2	Aldrin	0.026	U	0.0063	0.026	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.026	U	0.0068	0.026	0.051	ug/L
959-98-8	Endosulfan I	0.026	U	0.0062	0.026	0.051	ug/L
60-57-1	Dieldrin	0.026	U	0.0047	0.026	0.051	ug/L
72-55-9	4,4-DDE	0.026	U	0.004	0.026	0.051	ug/L
72-20-8	Endrin	0.026	U	0.0059	0.026	0.051	ug/L
33213-65-9	Endosulfan II	0.026	U	0.0056	0.026	0.051	ug/L
72-54-8	4,4-DDD	0.026	U	0.0072	0.026	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.026	U	0.0061	0.026	0.051	ug/L
50-29-3	4,4-DDT	0.026	U	0.006	0.026	0.051	ug/L
72-43-5	Methoxychlor	0.026	U	0.0042	0.026	0.051	ug/L
53494-70-5	Endrin ketone	0.026	U	0.0058	0.026	0.051	ug/L
7421-93-4	Endrin aldehyde	0.026	U	0.0045	0.026	0.051	ug/L
5103-71-9	alpha-Chlordane	0.026	U	0.0049	0.026	0.051	ug/L
5103-74-2	gamma-Chlordane	0.026	U	0.0051	0.026	0.051	ug/L
8001-35-2	Toxaphene	0.255	U	0.101	0.255	0.51	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	9.11		10 - 192		46%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20		10 - 172		100%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-03	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	990 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002509.D	1	02/14/13	02/14/13	PB68347

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

QC SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Surrogate Summary

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8081

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery	Qual	Limits Low	Limits High
I.BLK-PL002371.D	PIBLK-PL002371.D	Decachlorobiphenyl	1	20	20.51	103		10	192
		Tetrachloro-m-xylene	1	20	20.82	104		10	172
		Decachlorobiphenyl	2	20	19.81	99		10	192
		Tetrachloro-m-xylene	2	20	19.92	100		10	172
I.BLK-PL002503.D	PIBLK-PL002503.D	Decachlorobiphenyl	1	20	20.85	104		10	192
		Tetrachloro-m-xylene	1	20	21.29	106		10	172
		Decachlorobiphenyl	2	20	18.51	93		10	192
		Tetrachloro-m-xylene	2	20	21.5	108		10	172
PB68347BL	PB68347BL	Decachlorobiphenyl	1	20	20.08	100		10	192
		Tetrachloro-m-xylene	1	20	21.71	109		10	172
		Decachlorobiphenyl	2	20	19.49	97		10	192
		Tetrachloro-m-xylene	2	20	22.03	110		10	172
PB68347BS	PB68347BS	Decachlorobiphenyl	1	20	21.1	106		10	192
		Tetrachloro-m-xylene	1	20	22.38	112		10	172
		Decachlorobiphenyl	2	20	20.03	100		10	192
		Tetrachloro-m-xylene	2	20	22.67	113		10	172
PB68347BSD	PB68347BSD	Decachlorobiphenyl	1	20	20.63	103		10	192
		Tetrachloro-m-xylene	1	20	22.14	111		10	172
		Decachlorobiphenyl	2	20	20.65	103		10	192
		Tetrachloro-m-xylene	2	20	21.82	109		10	172
E1297-03	GW	Decachlorobiphenyl	1	20	9.11	46		10	192
		Tetrachloro-m-xylene	1	20	20.04	100		10	172
		Decachlorobiphenyl	2	20	9.62	48		10	192
		Tetrachloro-m-xylene	2	20	20.53	103		10	172
PB68353BL	PB68353BL	Decachlorobiphenyl	1	20	20.58	103		10	169
		Tetrachloro-m-xylene	1	20	22.98	115		31	151
		Decachlorobiphenyl	2	20	20.03	100		10	169
		Tetrachloro-m-xylene	2	20	21.65	108		31	151
PB68353BS	PB68353BS	Decachlorobiphenyl	1	20	20.81	104		10	169
		Tetrachloro-m-xylene	1	20	21.69	108		31	151
		Decachlorobiphenyl	2	20	20.18	101		10	169
		Tetrachloro-m-xylene	2	20	21.94	110		31	151
E1297-01	SB0-2	Decachlorobiphenyl	1	20	19.58	98		10	169
		Tetrachloro-m-xylene	1	20	21.03	105		31	151
		Decachlorobiphenyl	2	20	19.14	96		10	169
		Tetrachloro-m-xylene	2	20	21.7	109		31	151
E1297-02	SB28-30	Decachlorobiphenyl	1	20	19.41	97		10	169
		Tetrachloro-m-xylene	1	20	20.87	104		31	151
		Decachlorobiphenyl	2	20	19.44	97		10	169
		Tetrachloro-m-xylene	2	20	21.64	108		31	151
E1297-02MS	SB28-30MS	Decachlorobiphenyl	1	20	16.44	82		10	169
		Tetrachloro-m-xylene	1	20	18.88	94		31	151
		Decachlorobiphenyl	2	20	16.46	82		10	169

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Surrogate Summary

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8081

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery	Qual	Limits Low	Limits High
E1297-02MS	SB28-30MS	Tetrachloro-m-xylene	2	20	19.91	100		31	151
E1297-02MSD	SB28-30MSD	Decachlorobiphenyl	1	20	16.27	81		10	169
		Tetrachloro-m-xylene	1	20	19.14	96		31	151
		Decachlorobiphenyl	2	20	16.55	83		10	169
		Tetrachloro-m-xylene	2	20	19.82	99		31	151
I.BLK-PL002516.D	PIBLK-PL002516.D	Decachlorobiphenyl	1	20	20.02	100		10	192
		Tetrachloro-m-xylene	1	20	21.58	108		10	172
		Decachlorobiphenyl	2	20	20.56	103		10	192
		Tetrachloro-m-xylene	2	20	22.07	110		10	172

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8081

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**SB28-30MS**											
E1297-02MS	alpha-BHC	21.4	0	22	ug/Kg	103				16	147	
	beta-BHC	21.4	0	21	ug/Kg	98				25	146	
	delta-BHC	21.4	0	21	ug/Kg	98				11	146	
	gamma-BHC (Lindane)	21.4	0	21	ug/Kg	98				21	147	
	Heptachlor	21.4	0	22	ug/Kg	103				23	143	
	Aldrin	21.4	0	21	ug/Kg	98				11	152	
	Heptachlor epoxide	21.4	0	21	ug/Kg	98				22	147	
	Endosulfan I	21.4	0	21	ug/Kg	98				10	164	
	Dieldrin	21.4	0	21	ug/Kg	98				10	162	
	4,4-DDE	21.4	0	21	ug/Kg	98				10	174	
	Endrin	21.4	0	26	ug/Kg	121				10	171	
	Endosulfan II	21.4	0	22	ug/Kg	103				11	146	
	4,4-DDD	21.4	0	21	ug/Kg	98				10	150	
	Endosulfan sulfate	21.4	0	20	ug/Kg	93				10	152	
	4,4-DDT	21.4	0	25	ug/Kg	117				10	192	
	Methoxychlor	21.4	0	24	ug/Kg	112				10	200	
	Endrin ketone	21.4	0	19	ug/Kg	89				12	145	
	Endrin aldehyde	21.4	0	21	ug/Kg	98				10	146	
	alpha-Chlordane	21.4	0	21	ug/Kg	98				10	157	
	gamma-Chlordane	21.4	0	21	ug/Kg	98				10	161	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8081

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**SB28-30MSD**											
E1297-02MSD	alpha-BHC	21.4	0	22	ug/Kg	103		0		16	147	20
	beta-BHC	21.4	0	21	ug/Kg	98		0		25	146	20
	delta-BHC	21.4	0	21	ug/Kg	98		0		11	146	20
	gamma-BHC (Lindane)	21.4	0	22	ug/Kg	103		5		21	147	20
	Heptachlor	21.4	0	22	ug/Kg	103		0		23	143	20
	Aldrin	21.4	0	21	ug/Kg	98		0		11	152	20
	Heptachlor epoxide	21.4	0	21	ug/Kg	98		0		22	147	20
	Endosulfan I	21.4	0	21	ug/Kg	98		0		10	164	20
	Dieldrin	21.4	0	21	ug/Kg	98		0		10	162	20
	4,4-DDE	21.4	0	21	ug/Kg	98		0		10	174	20
	Endrin	21.4	0	27	ug/Kg	126		4		10	171	20
	Endosulfan II	21.4	0	22	ug/Kg	103		0		11	146	20
	4,4-DDD	21.4	0	21	ug/Kg	98		0		10	150	20
	Endosulfan sulfate	21.4	0	20	ug/Kg	93		0		10	152	20
	4,4-DDT	21.4	0	25	ug/Kg	117		0		10	192	20
	Methoxychlor	21.4	0	24	ug/Kg	112		0		10	200	20
	Endrin ketone	21.4	0	19	ug/Kg	89		0		12	145	20
	Endrin aldehyde	21.4	0	21	ug/Kg	98		0		10	146	20
	alpha-Chlordane	21.4	0	21	ug/Kg	98		0		10	157	20
	gamma-Chlordane	21.4	0	21	ug/Kg	98		0		10	161	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8081

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68347BS	alpha-BHC	0.5000	0.58	ug/L	116				85	130	
	beta-BHC	0.5000	0.57	ug/L	114				83	126	
	delta-BHC	0.5000	0.57	ug/L	114				69	141	
	gamma-BHC (Lindane)	0.5000	0.57	ug/L	114				82	129	
	Heptachlor	0.5000	0.58	ug/L	116				79	127	
	Aldrin	0.5000	0.56	ug/L	112				79	126	
	Heptachlor epoxide	0.5000	0.56	ug/L	112				81	124	
	Endosulfan I	0.5000	0.55	ug/L	110				85	122	
	Dieldrin	0.5000	0.55	ug/L	110				83	125	
	4,4-DDE	0.5000	0.55	ug/L	110				80	127	
	Endrin	0.5000	0.62	ug/L	124				81	128	
	Endosulfan II	0.5000	0.55	ug/L	110				82	123	
	4,4-DDD	0.5000	0.55	ug/L	110				77	131	
	Endosulfan sulfate	0.5000	0.54	ug/L	108				76	129	
	4,4-DDT	0.5000	0.62	ug/L	124				80	133	
	Methoxychlor	0.5000	0.61	ug/L	122				76	137	
	Endrin ketone	0.5000	0.52	ug/L	104				80	131	
	Endrin aldehyde	0.5000	0.51	ug/L	102				82	127	
	alpha-Chlordane	0.5000	0.56	ug/L	112				82	125	
	gamma-Chlordane	0.5000	0.56	ug/L	112				82	125	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8081

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68347BSD	alpha-BHC	0.5000	0.57	ug/L	114	2			85	130	20
	beta-BHC	0.5000	0.56	ug/L	112	2			83	126	20
	delta-BHC	0.5000	0.56	ug/L	112	2			69	141	20
	gamma-BHC (Lindane)	0.5000	0.56	ug/L	112	2			82	129	20
	Heptachlor	0.5000	0.57	ug/L	114	2			79	127	20
	Aldrin	0.5000	0.55	ug/L	110	2			79	126	20
	Heptachlor epoxide	0.5000	0.55	ug/L	110	2			81	124	20
	Endosulfan I	0.5000	0.55	ug/L	110	0			85	122	20
	Dieldrin	0.5000	0.55	ug/L	110	0			83	125	20
	4,4-DDE	0.5000	0.55	ug/L	110	0			80	127	20
	Endrin	0.5000	0.62	ug/L	124	0			81	128	20
	Endosulfan II	0.5000	0.56	ug/L	112	2			82	123	20
	4,4-DDD	0.5000	0.55	ug/L	110	0			77	131	20
	Endosulfan sulfate	0.5000	0.55	ug/L	110	2			76	129	20
	4,4-DDT	0.5000	0.64	ug/L	128	3			80	133	20
	Methoxychlor	0.5000	0.62	ug/L	124	2			76	137	20
	Endrin ketone	0.5000	0.52	ug/L	104	0			80	131	20
	Endrin aldehyde	0.5000	0.52	ug/L	104	2			82	127	20
	alpha-Chlordane	0.5000	0.55	ug/L	110	2			82	125	20
	gamma-Chlordane	0.5000	0.55	ug/L	110	2			82	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: E1297

Client: Sustainable Management LLC

Analytical Method: EPA SW-846 8081

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB68353BS	alpha-BHC	16.7	17	ug/Kg	102				84	123	
	beta-BHC	16.7	16	ug/Kg	96				82	123	
	delta-BHC	16.7	17	ug/Kg	102				83	126	
	gamma-BHC (Lindane)	16.7	17	ug/Kg	102				83	125	
	Heptachlor	16.7	17	ug/Kg	102				83	122	
	Aldrin	16.7	16	ug/Kg	96				82	124	
	Heptachlor epoxide	16.7	16	ug/Kg	96				83	120	
	Endosulfan I	16.7	16	ug/Kg	96				81	124	
	Dieldrin	16.7	16	ug/Kg	96				85	121	
	4,4-DDE	16.7	16	ug/Kg	96				81	123	
	Endrin	16.7	20	ug/Kg	120				76	130	
	Endosulfan II	16.7	16	ug/Kg	96				80	125	
	4,4-DDD	16.7	16	ug/Kg	96				80	131	
	Endosulfan sulfate	16.7	16	ug/Kg	96				81	122	
	4,4-DDT	16.7	19	ug/Kg	114				70	129	
	Methoxychlor	16.7	18	ug/Kg	108				78	129	
	Endrin ketone	16.7	15	ug/Kg	90				77	132	
	Endrin aldehyde	16.7	16	ug/Kg	96				79	124	
	alpha-Chlordane	16.7	16	ug/Kg	96				84	120	
	gamma-Chlordane	16.7	16	ug/Kg	96				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB68347BL

Lab Name: CHEMTECH

Contract: SUST01

Lab Code: CHEM

Case No.: E1297

SAS No.: E1297

SDG NO.: E1297

Lab Sample ID: PB68347BL

Lab File ID: PL002506.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 02/14/2013

Date Analyzed (1): 02/14/2013

Date Analyzed (2): 02/14/2013

Time Analyzed (1): 13:19

Time Analyzed (2): 13:19

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB68347BS	PB68347BS	PL002507.D	02/14/2013	02/14/2013
PB68347BSD	PB68347BSD	PL002508.D	02/14/2013	02/14/2013
GW	E1297-03	PL002509.D	02/14/2013	02/14/2013

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB68353BL

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68353BL Lab File ID: PL002510.D

Matrix: (soil/water) SOIL Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 02/14/2013

Date Analyzed (1): 02/14/2013 Date Analyzed (2): 02/14/2013

Time Analyzed (1): 14:49 Time Analyzed (2): 14:49

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB68353BS	PB68353BS	PL002511.D	02/14/2013	02/14/2013
SB0-2	E1297-01	PL002512.D	02/14/2013	02/14/2013
SB28-30	E1297-02	PL002513.D	02/14/2013	02/14/2013
SB28-30MS	E1297-02MS	PL002514.D	02/14/2013	02/14/2013
SB28-30MSD	E1297-02MSD	PL002515.D	02/14/2013	02/14/2013

COMMENTS:

Form IV Pest

QC SAMPLE DATA

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68347BL	SDG No.:	E1297
Lab Sample ID:	PB68347BL	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002506.D	1	02/14/13	02/14/13	PB68347

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0051	0.025	0.05	ug/L
319-85-7	beta-BHC	0.025	U	0.0086	0.025	0.05	ug/L
319-86-8	delta-BHC	0.025	U	0.0056	0.025	0.05	ug/L
58-89-9	gamma-BHC	0.025	U	0.0055	0.025	0.05	ug/L
76-44-8	Heptachlor	0.025	U	0.0069	0.025	0.05	ug/L
309-00-2	Aldrin	0.025	U	0.0062	0.025	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0067	0.025	0.05	ug/L
959-98-8	Endosulfan I	0.025	U	0.0061	0.025	0.05	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.05	ug/L
72-55-9	4,4-DDE	0.025	U	0.004	0.025	0.05	ug/L
72-20-8	Endrin	0.025	U	0.0058	0.025	0.05	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0055	0.025	0.05	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.006	0.025	0.05	ug/L
50-29-3	4,4-DDT	0.025	U	0.0059	0.025	0.05	ug/L
72-43-5	Methoxychlor	0.025	U	0.0042	0.025	0.05	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0057	0.025	0.05	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0045	0.025	0.05	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0049	0.025	0.05	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.005	0.025	0.05	ug/L
8001-35-2	Toxaphene	0.25	U	0.1	0.25	0.5	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.1		10 - 192		100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		10 - 172		109%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68347BL	SDG No.:	E1297
Lab Sample ID:	PB68347BL	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002506.D	1	02/14/13	02/14/13	PB68347

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68353BL	SDG No.:	E1297
Lab Sample ID:	PB68353BL	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	0 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002510.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.85	U	0.13	0.85	1.7	ug/Kg
319-85-7	beta-BHC	0.85	U	0.18	0.85	1.7	ug/Kg
319-86-8	delta-BHC	0.85	U	0.1	0.85	1.7	ug/Kg
58-89-9	gamma-BHC	0.85	U	0.15	0.85	1.7	ug/Kg
76-44-8	Heptachlor	0.85	U	0.14	0.85	1.7	ug/Kg
309-00-2	Aldrin	0.85	U	0.1	0.85	1.7	ug/Kg
1024-57-3	Heptachlor epoxide	0.85	U	0.16	0.85	1.7	ug/Kg
959-98-8	Endosulfan I	0.85	U	0.15	0.85	1.7	ug/Kg
60-57-1	Dieldrin	0.85	U	0.13	0.85	1.7	ug/Kg
72-55-9	4,4-DDE	0.85	U	0.2	0.85	1.7	ug/Kg
72-20-8	Endrin	0.85	U	0.18	0.85	1.7	ug/Kg
33213-65-9	Endosulfan II	0.85	U	0.14	0.85	1.7	ug/Kg
72-54-8	4,4-DDD	0.85	U	0.17	0.85	1.7	ug/Kg
1031-07-8	Endosulfan Sulfate	0.85	U	0.15	0.85	1.7	ug/Kg
50-29-3	4,4-DDT	0.85	U	0.14	0.85	1.7	ug/Kg
72-43-5	Methoxychlor	0.85	U	0.17	0.85	1.7	ug/Kg
53494-70-5	Endrin ketone	0.85	U	0.13	0.85	1.7	ug/Kg
7421-93-4	Endrin aldehyde	0.85	U	0.15	0.85	1.7	ug/Kg
5103-71-9	alpha-Chlordane	0.85	U	0.14	0.85	1.7	ug/Kg
5103-74-2	gamma-Chlordane	0.85	U	0.13	0.85	1.7	ug/Kg
8001-35-2	Toxaphene	8.5	U	3.4	8.5	17	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.6		10 - 169		103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23		31 - 151		115%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68353BL	SDG No.:	E1297
Lab Sample ID:	PB68353BL	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	0 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002510.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/04/13
Project:	Samoo Architects	Date Received:	02/04/13
Client Sample ID:	PIBLK-PL002371.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PL002371.D	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002371.D	1		02/04/13	pl020413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0051	0.025	0.05	ug/L
319-85-7	beta-BHC	0.025	U	0.0086	0.025	0.05	ug/L
319-86-8	delta-BHC	0.025	U	0.0056	0.025	0.05	ug/L
58-89-9	gamma-BHC	0.025	U	0.0055	0.025	0.05	ug/L
76-44-8	Heptachlor	0.025	U	0.0069	0.025	0.05	ug/L
309-00-2	Aldrin	0.025	U	0.0062	0.025	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0067	0.025	0.05	ug/L
959-98-8	Endosulfan I	0.025	U	0.0061	0.025	0.05	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.05	ug/L
72-55-9	4,4-DDE	0.025	U	0.004	0.025	0.05	ug/L
72-20-8	Endrin	0.025	U	0.0058	0.025	0.05	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0055	0.025	0.05	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.006	0.025	0.05	ug/L
50-29-3	4,4-DDT	0.025	U	0.0059	0.025	0.05	ug/L
72-43-5	Methoxychlor	0.025	U	0.0042	0.025	0.05	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0057	0.025	0.05	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0045	0.025	0.05	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0049	0.025	0.05	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.005	0.025	0.05	ug/L
8001-35-2	Toxaphene	0.25	U	0.1	0.25	0.5	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.5		10 - 192		103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		10 - 172		104%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/04/13
Project:	Samoo Architects	Date Received:	02/04/13
Client Sample ID:	PIBLK-PL002371.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PL002371.D	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002371.D	1		02/04/13	pl020413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/14/13
Project:	Samoo Architects	Date Received:	02/14/13
Client Sample ID:	PIBLK-PL002503.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PL002503.D	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002503.D	1		02/14/13	PL021413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0051	0.025	0.05	ug/L
319-85-7	beta-BHC	0.025	U	0.0086	0.025	0.05	ug/L
319-86-8	delta-BHC	0.025	U	0.0056	0.025	0.05	ug/L
58-89-9	gamma-BHC	0.025	U	0.0055	0.025	0.05	ug/L
76-44-8	Heptachlor	0.025	U	0.0069	0.025	0.05	ug/L
309-00-2	Aldrin	0.025	U	0.0062	0.025	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0067	0.025	0.05	ug/L
959-98-8	Endosulfan I	0.025	U	0.0061	0.025	0.05	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.05	ug/L
72-55-9	4,4-DDE	0.025	U	0.004	0.025	0.05	ug/L
72-20-8	Endrin	0.025	U	0.0058	0.025	0.05	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0055	0.025	0.05	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.006	0.025	0.05	ug/L
50-29-3	4,4-DDT	0.025	U	0.0059	0.025	0.05	ug/L
72-43-5	Methoxychlor	0.025	U	0.0042	0.025	0.05	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0057	0.025	0.05	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0045	0.025	0.05	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0049	0.025	0.05	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.005	0.025	0.05	ug/L
8001-35-2	Toxaphene	0.25	U	0.1	0.25	0.5	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.8		10 - 192		104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		10 - 172		106%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/14/13
Project:	Samoo Architects	Date Received:	02/14/13
Client Sample ID:	PIBLK-PL002503.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PL002503.D	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002503.D	1		02/14/13	PL021413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/14/13
Project:	Samoo Architects	Date Received:	02/14/13
Client Sample ID:	PIBLK-PL002516.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PL002516.D	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002516.D	1		02/14/13	PL021413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0051	0.025	0.05	ug/L
319-85-7	beta-BHC	0.025	U	0.0086	0.025	0.05	ug/L
319-86-8	delta-BHC	0.025	U	0.0056	0.025	0.05	ug/L
58-89-9	gamma-BHC	0.025	U	0.0055	0.025	0.05	ug/L
76-44-8	Heptachlor	0.025	U	0.0069	0.025	0.05	ug/L
309-00-2	Aldrin	0.025	U	0.0062	0.025	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0067	0.025	0.05	ug/L
959-98-8	Endosulfan I	0.025	U	0.0061	0.025	0.05	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.05	ug/L
72-55-9	4,4-DDE	0.025	U	0.004	0.025	0.05	ug/L
72-20-8	Endrin	0.025	U	0.0058	0.025	0.05	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0055	0.025	0.05	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.006	0.025	0.05	ug/L
50-29-3	4,4-DDT	0.025	U	0.0059	0.025	0.05	ug/L
72-43-5	Methoxychlor	0.025	U	0.0042	0.025	0.05	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0057	0.025	0.05	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0045	0.025	0.05	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0049	0.025	0.05	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.005	0.025	0.05	ug/L
8001-35-2	Toxaphene	0.25	U	0.1	0.25	0.5	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20		10 - 192		100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		10 - 172		108%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/14/13
Project:	Samoo Architects	Date Received:	02/14/13
Client Sample ID:	PIBLK-PL002516.D	SDG No.:	E1297
Lab Sample ID:	I.BLK-PL002516.D	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002516.D	1		02/14/13	PL021413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68347BS	SDG No.:	E1297
Lab Sample ID:	PB68347BS	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002507.D	1	02/14/13	02/14/13	PB68347

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.58		0.0051	0.025	0.05	ug/L
319-85-7	beta-BHC	0.57		0.0086	0.025	0.05	ug/L
319-86-8	delta-BHC	0.57		0.0056	0.025	0.05	ug/L
58-89-9	gamma-BHC	0.57		0.0055	0.025	0.05	ug/L
76-44-8	Heptachlor	0.58		0.0069	0.025	0.05	ug/L
309-00-2	Aldrin	0.56		0.0062	0.025	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.56		0.0067	0.025	0.05	ug/L
959-98-8	Endosulfan I	0.55		0.0061	0.025	0.05	ug/L
60-57-1	Dieldrin	0.55		0.0047	0.025	0.05	ug/L
72-55-9	4,4-DDE	0.55		0.004	0.025	0.05	ug/L
72-20-8	Endrin	0.62		0.0058	0.025	0.05	ug/L
33213-65-9	Endosulfan II	0.55		0.0055	0.025	0.05	ug/L
72-54-8	4,4-DDD	0.55		0.0071	0.025	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.54		0.006	0.025	0.05	ug/L
50-29-3	4,4-DDT	0.62		0.0059	0.025	0.05	ug/L
72-43-5	Methoxychlor	0.61		0.0042	0.025	0.05	ug/L
53494-70-5	Endrin ketone	0.52		0.0057	0.025	0.05	ug/L
7421-93-4	Endrin aldehyde	0.51		0.0045	0.025	0.05	ug/L
5103-71-9	alpha-Chlordane	0.56		0.0049	0.025	0.05	ug/L
5103-74-2	gamma-Chlordane	0.56		0.005	0.025	0.05	ug/L
8001-35-2	Toxaphene	0.25	U	0.1	0.25	0.5	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.1		10 - 192		106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		10 - 172		112%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68347BS	SDG No.:	E1297
Lab Sample ID:	PB68347BS	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002507.D	1	02/14/13	02/14/13	PB68347

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68353BS	SDG No.:	E1297
Lab Sample ID:	PB68353BS	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	0 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002511.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	17		0.13	0.85	1.7	ug/Kg
319-85-7	beta-BHC	16		0.18	0.85	1.7	ug/Kg
319-86-8	delta-BHC	17		0.1	0.85	1.7	ug/Kg
58-89-9	gamma-BHC	17		0.15	0.85	1.7	ug/Kg
76-44-8	Heptachlor	17		0.14	0.85	1.7	ug/Kg
309-00-2	Aldrin	16		0.1	0.85	1.7	ug/Kg
1024-57-3	Heptachlor epoxide	16		0.16	0.85	1.7	ug/Kg
959-98-8	Endosulfan I	16		0.15	0.85	1.7	ug/Kg
60-57-1	Dieldrin	16		0.13	0.85	1.7	ug/Kg
72-55-9	4,4-DDE	16		0.2	0.85	1.7	ug/Kg
72-20-8	Endrin	20		0.18	0.85	1.7	ug/Kg
33213-65-9	Endosulfan II	16		0.14	0.85	1.7	ug/Kg
72-54-8	4,4-DDD	16		0.17	0.85	1.7	ug/Kg
1031-07-8	Endosulfan Sulfate	16		0.15	0.85	1.7	ug/Kg
50-29-3	4,4-DDT	19		0.14	0.85	1.7	ug/Kg
72-43-5	Methoxychlor	18		0.17	0.85	1.7	ug/Kg
53494-70-5	Endrin ketone	15		0.13	0.85	1.7	ug/Kg
7421-93-4	Endrin aldehyde	16		0.15	0.85	1.7	ug/Kg
5103-71-9	alpha-Chlordane	16		0.14	0.85	1.7	ug/Kg
5103-74-2	gamma-Chlordane	16		0.13	0.85	1.7	ug/Kg
8001-35-2	Toxaphene	8.5	U	3.4	8.5	17	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.8		10 - 169		104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		31 - 151		108%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68353BS	SDG No.:	E1297
Lab Sample ID:	PB68353BS	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	0 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002511.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68347BSD	SDG No.:	E1297
Lab Sample ID:	PB68347BSD	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002508.D	1	02/14/13	02/14/13	PB68347

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.57		0.0051	0.025	0.05	ug/L
319-85-7	beta-BHC	0.56		0.0086	0.025	0.05	ug/L
319-86-8	delta-BHC	0.56		0.0056	0.025	0.05	ug/L
58-89-9	gamma-BHC	0.56		0.0055	0.025	0.05	ug/L
76-44-8	Heptachlor	0.57		0.0069	0.025	0.05	ug/L
309-00-2	Aldrin	0.55		0.0062	0.025	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.55		0.0067	0.025	0.05	ug/L
959-98-8	Endosulfan I	0.55		0.0061	0.025	0.05	ug/L
60-57-1	Dieldrin	0.55		0.0047	0.025	0.05	ug/L
72-55-9	4,4-DDE	0.55		0.004	0.025	0.05	ug/L
72-20-8	Endrin	0.62		0.0058	0.025	0.05	ug/L
33213-65-9	Endosulfan II	0.56		0.0055	0.025	0.05	ug/L
72-54-8	4,4-DDD	0.55		0.0071	0.025	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.55		0.006	0.025	0.05	ug/L
50-29-3	4,4-DDT	0.64		0.0059	0.025	0.05	ug/L
72-43-5	Methoxychlor	0.62		0.0042	0.025	0.05	ug/L
53494-70-5	Endrin ketone	0.52		0.0057	0.025	0.05	ug/L
7421-93-4	Endrin aldehyde	0.52		0.0045	0.025	0.05	ug/L
5103-71-9	alpha-Chlordane	0.55		0.0049	0.025	0.05	ug/L
5103-74-2	gamma-Chlordane	0.55		0.005	0.025	0.05	ug/L
8001-35-2	Toxaphene	0.25	U	0.1	0.25	0.5	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.6		10 - 192		103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		10 - 172		111%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	PB68347BSD	SDG No.:	E1297
Lab Sample ID:	PB68347BSD	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002508.D	1	02/14/13	02/14/13	PB68347

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30MS	SDG No.:	E1297
Lab Sample ID:	E1297-02MS	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	22.2 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002514.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	22		0.17	1.1	2.2	ug/Kg
319-85-7	beta-BHC	21		0.23	1.1	2.2	ug/Kg
319-86-8	delta-BHC	21		0.13	1.1	2.2	ug/Kg
58-89-9	gamma-BHC	21		0.19	1.1	2.2	ug/Kg
76-44-8	Heptachlor	22		0.18	1.1	2.2	ug/Kg
309-00-2	Aldrin	21		0.13	1.1	2.2	ug/Kg
1024-57-3	Heptachlor epoxide	21		0.21	1.1	2.2	ug/Kg
959-98-8	Endosulfan I	21		0.19	1.1	2.2	ug/Kg
60-57-1	Dieldrin	21		0.17	1.1	2.2	ug/Kg
72-55-9	4,4-DDE	21		0.26	1.1	2.2	ug/Kg
72-20-8	Endrin	26		0.23	1.1	2.2	ug/Kg
33213-65-9	Endosulfan II	22		0.18	1.1	2.2	ug/Kg
72-54-8	4,4-DDD	21		0.22	1.1	2.2	ug/Kg
1031-07-8	Endosulfan Sulfate	20		0.19	1.1	2.2	ug/Kg
50-29-3	4,4-DDT	25		0.18	1.1	2.2	ug/Kg
72-43-5	Methoxychlor	24		0.22	1.1	2.2	ug/Kg
53494-70-5	Endrin ketone	19		0.17	1.1	2.2	ug/Kg
7421-93-4	Endrin aldehyde	21		0.19	1.1	2.2	ug/Kg
5103-71-9	alpha-Chlordane	21		0.18	1.1	2.2	ug/Kg
5103-74-2	gamma-Chlordane	21		0.17	1.1	2.2	ug/Kg
8001-35-2	Toxaphene	11	U	4.4	11	22	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.4		10 - 169		82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		31 - 151		94%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30MS	SDG No.:	E1297
Lab Sample ID:	E1297-02MS	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	22.2 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002514.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30MSD	SDG No.:	E1297
Lab Sample ID:	E1297-02MSD	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	22.2 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002515.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	22		0.17	1.1	2.2	ug/Kg
319-85-7	beta-BHC	21		0.23	1.1	2.2	ug/Kg
319-86-8	delta-BHC	21		0.13	1.1	2.2	ug/Kg
58-89-9	gamma-BHC	22		0.19	1.1	2.2	ug/Kg
76-44-8	Heptachlor	22		0.18	1.1	2.2	ug/Kg
309-00-2	Aldrin	21		0.13	1.1	2.2	ug/Kg
1024-57-3	Heptachlor epoxide	21		0.21	1.1	2.2	ug/Kg
959-98-8	Endosulfan I	21		0.19	1.1	2.2	ug/Kg
60-57-1	Dieldrin	21		0.17	1.1	2.2	ug/Kg
72-55-9	4,4-DDE	21		0.26	1.1	2.2	ug/Kg
72-20-8	Endrin	27		0.23	1.1	2.2	ug/Kg
33213-65-9	Endosulfan II	22		0.18	1.1	2.2	ug/Kg
72-54-8	4,4-DDD	21		0.22	1.1	2.2	ug/Kg
1031-07-8	Endosulfan Sulfate	20		0.19	1.1	2.2	ug/Kg
50-29-3	4,4-DDT	25		0.18	1.1	2.2	ug/Kg
72-43-5	Methoxychlor	24		0.22	1.1	2.2	ug/Kg
53494-70-5	Endrin ketone	19		0.17	1.1	2.2	ug/Kg
7421-93-4	Endrin aldehyde	21		0.19	1.1	2.2	ug/Kg
5103-71-9	alpha-Chlordane	21		0.18	1.1	2.2	ug/Kg
5103-74-2	gamma-Chlordane	21		0.17	1.1	2.2	ug/Kg
8001-35-2	Toxaphene	11	U	4.4	11	22	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.3		10 - 169		81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		31 - 151		96%	SPK: 20

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30MSD	SDG No.:	E1297
Lab Sample ID:	E1297-02MSD	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	22.2 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL002515.D	1	02/14/13	02/14/13	PB68353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_L **Calibration Date(s):** 02/04/2013 02/04/2013

Calibration Times: 13:17 14:14

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 005 = PL002378.D RT 025 = PL002377.D

RT 050 = PL002376.D RT 075 = PL002375.D RT 100 = PL002374.D

COMPOUND	RT 005	RT 025	RT 050	RT 075	RT 100	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	8.87	8.87	8.87	8.87	8.87	8.87	8.77	8.97
Tetrachloro-m-xylene	3.85	3.85	3.85	3.85	3.85	3.85	3.75	3.95
alpha-BHC	4.23	4.23	4.23	4.24	4.24	4.23	4.18	4.28
beta-BHC	4.70	4.70	4.70	4.70	4.70	4.70	4.65	4.75
delta-BHC	4.91	4.91	4.91	4.91	4.91	4.91	4.86	4.96
gamma-BHC (Lindane)	4.52	4.52	4.52	4.52	4.52	4.52	4.47	4.57
Heptachlor	5.02	5.02	5.02	5.02	5.02	5.02	4.97	5.07
Aldrin	5.32	5.32	5.32	5.32	5.32	5.32	5.27	5.37
Heptachlor epoxide	5.70	5.71	5.71	5.71	5.71	5.70	5.63	5.77
Endosulfan I	6.06	6.06	6.06	6.06	6.06	6.06	5.99	6.13
Dieldrin	6.31	6.32	6.31	6.31	6.32	6.31	6.24	6.38
4,4-DDE	6.18	6.18	6.18	6.18	6.18	6.18	6.11	6.25
Endrin	6.53	6.53	6.53	6.53	6.53	6.53	6.46	6.60
Endosulfan II	6.74	6.75	6.74	6.75	6.75	6.74	6.67	6.81
4,4-DDD	6.67	6.67	6.67	6.67	6.67	6.67	6.60	6.74
Endosulfan sulfate	7.09	7.09	7.09	7.09	7.09	7.09	7.02	7.16
4,4-DDT	6.96	6.96	6.96	6.96	6.96	6.96	6.89	7.03
Methoxychlor	7.43	7.43	7.43	7.43	7.43	7.43	7.36	7.50
Endrin ketone	7.56	7.56	7.56	7.56	7.56	7.56	7.49	7.63
Endrin aldehyde	6.87	6.87	6.87	6.87	6.87	6.87	6.80	6.94
alpha-Chlordane	6.01	6.01	6.01	6.01	6.01	6.01	5.94	6.08
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.87	6.01

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_L **Calibration Date(s):** 02/04/2013 02/04/2013

Calibration Times: 13:17 14:14

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 005 = PL002378.D RT 025 = PL002377.D

RT 050 = PL002376.D RT 075 = PL002375.D RT 100 = PL002374.D

COMPOUND	RT 005	RT 025	RT 050	RT 075	RT 100	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	8.04	8.04	8.04	8.04	8.04	8.04	7.94	8.14
Tetrachloro-m-xylene	3.34	3.34	3.34	3.34	3.34	3.34	3.24	3.44
alpha-BHC	3.77	3.78	3.78	3.78	3.78	3.77	3.72	3.82
beta-BHC	4.31	4.31	4.31	4.31	4.31	4.31	4.26	4.36
delta-BHC	4.51	4.51	4.50	4.51	4.51	4.50	4.45	4.55
gamma-BHC (Lindane)	4.05	4.05	4.05	4.05	4.06	4.05	4.00	4.10
Heptachlor	4.34	4.34	4.34	4.34	4.34	4.34	4.29	4.39
Aldrin	4.58	4.58	4.58	4.58	4.58	4.58	4.53	4.63
Heptachlor epoxide	5.02	5.02	5.02	5.02	5.02	5.02	4.95	5.09
Endosulfan I	5.36	5.36	5.36	5.36	5.36	5.36	5.29	5.43
Dieldrin	5.60	5.60	5.60	5.60	5.60	5.60	5.53	5.67
4,4-DDE	5.47	5.47	5.47	5.47	5.47	5.47	5.40	5.54
Endrin	5.86	5.86	5.86	5.86	5.86	5.86	5.79	5.93
Endosulfan II	6.13	6.13	6.13	6.13	6.13	6.13	6.06	6.20
4,4-DDD	5.99	5.99	5.99	5.99	5.99	5.99	5.92	6.06
Endosulfan sulfate	6.51	6.51	6.51	6.51	6.51	6.51	6.44	6.58
4,4-DDT	6.22	6.22	6.22	6.22	6.22	6.22	6.15	6.29
Methoxychlor	6.77	6.77	6.77	6.77	6.77	6.77	6.70	6.84
Endrin ketone	7.00	7.00	7.00	7.00	7.00	7.00	6.93	7.07
Endrin aldehyde	6.30	6.30	6.30	6.30	6.30	6.30	6.23	6.37
alpha-Chlordane	5.30	5.30	5.30	5.30	5.30	5.30	5.23	5.37
gamma-Chlordane	5.25	5.25	5.25	5.25	5.25	5.25	5.18	5.32

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_L

Calibration Date(s): 02/04/2013 02/04/2013

Calibration Times: 13:17 14:14

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 005 = PL002378.D CF 025 = PL002377.D

CF 050 = PL002376.D CF 075 = PL002375.D CF 100 = PL002374.D

COMPOUND	CF 005	CF 025	CF 050	CF 075	CF 100	CF	% RSD
Decachlorobiphenyl	97297140	92426388	92908462	88621952	89220678	92094924	4
Tetrachloro-m-xylene	55094520	64894784	66004856	64900000	66010911	63381014	7
alpha-BHC	534087000	630282240	708997760	741098560	793915880	681676288	15
beta-BHC	411267200	414826600	480723280	440441920	435077200	436467240	6
delta-BHC	547453400	588342320	646045080	671301760	712224850	633073482	10
gamma-BHC (Lindane)	536813000	629490400	692069680	709848747	749054960	663455357	12
Heptachlor	684325400	670243200	697592480	694602080	718637570	693080146	3
Aldrin	563895400	599820200	639464320	653386027	683801120	628073413	7
Heptachlor epoxide	686592800	691473600	715334240	706040107	723306040	704549357	2
Endosulfan I	675529400	688852960	693256800	686218413	703019770	689375469	1
Dieldrin	572699000	600073400	619989560	625543520	657929240	615246944	5
4,4-DDE	539097600	545490560	569116320	574835840	602199960	566148056	4
Endrin	431712200	472311680	490776360	492406373	501855960	477812515	6
Endosulfan II	574028800	605796640	614418400	609029720	636712710	607997254	4
4,4-DDD	489761400	516264240	527153440	534357347	552367890	523980863	4
Endosulfan sulfate	615581600	612270320	617519960	606888360	618169720	614085992	1
4,4-DDT	243637800	289091800	307245700	319602347	341198530	300155235	12
Methoxychlor	190179000	214429800	243830440	241233013	251255530	228185557	11
Endrin ketone	635526600	698788920	737769220	744317440	776603680	718601172	8
Endrin aldehyde	551214000	518239040	519785340	505270613	509474510	520796701	3
alpha-Chlordane	711588000	685486160	694141680	685311507	701977470	695700963	2
gamma-Chlordane	684918600	673446000	681586960	676393707	694935000	682256053	1

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_L

Calibration Date(s): 02/04/2013 02/04/2013

Calibration Times: 13:17 14:14

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 005 = PL002378.D CF 025 = PL002377.D

CF 050 = PL002376.D CF 075 = PL002375.D CF 100 = PL002374.D

COMPOUND	CF 005	CF 025	CF 050	CF 075	CF 100	CF	% RSD
Decachlorobiphenyl	57512860	53158144	52718738	51683105	52043278	53423225	4
Tetrachloro-m-xylene	43709520	43418908	43712392	42808251	43396241	43409062	1
alpha-BHC	607172800	601394720	630376640	625276160	642174640	621278992	3
beta-BHC	291045800	273606800	273905100	268377213	269311840	275249351	3
delta-BHC	611118600	595554640	608947840	602826373	614749510	606639393	1
gamma-BHC (Lindane)	603687400	583722680	598580480	589248573	598526180	594753063	1
Heptachlor	566390000	544183280	558809140	550344093	557444320	555434167	2
Aldrin	609851200	595809920	608753840	601920853	612708080	605808779	1
Heptachlor epoxide	588662400	569765560	575578480	562540747	566467760	572602989	2
Endosulfan I	570538800	533267320	541817660	531746960	537875180	543049184	3
Dieldrin	637678200	591348400	601349600	594196480	601842360	605283008	3
4,4-DDE	627500600	594684440	600083520	593028827	601080230	603275523	2
Endrin	424824800	457068400	473470400	473888800	465058150	458862110	4
Endosulfan II	566799800	514561760	519211200	507238720	511899480	523942192	5
4,4-DDD	534292400	528832040	534121560	526586133	534555590	531677545	1
Endosulfan sulfate	538618400	488002080	496446240	482793813	484319260	498035959	5
4,4-DDT	293949600	327421360	356485840	362806987	374780790	343088915	9
Methoxychlor	170262200	195941120	201010920	204590667	208797040	196120389	8
Endrin ketone	635235400	626172240	628953920	618325760	624540480	626645560	1
Endrin aldehyde	436820000	415883360	411284480	399715200	403071120	413354832	4
alpha-Chlordane	612371200	586461520	594009660	583638693	589322260	593160667	2
gamma-Chlordane	599011400	574317360	585467560	574600733	583281440	583335699	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_L **Date(s) Analyzed:** 02/04/2013 02/04/2013

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.5000	1	6.75	6.70	6.80	13548860
		2	6.80	6.75	6.85	16361120
		3	6.99	6.94	7.04	24003370
		4	7.08	7.03	7.13	24196720
		5	7.49	7.44	7.54	23087960

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Instrument ID: ECD_L **Date(s) Analyzed:** 02/04/2013 02/04/2013

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.5000	1	6.67	6.62	6.72	12197120
		2	6.77	6.72	6.82	17205920
		3	6.90	6.85	6.95	27677430
		4	7.19	7.14	7.24	18704100
		5	7.32	7.27	7.37	8651808

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/14/2013 **Initial Calibration Date(s):** 02/04/2013 02/04/2013

Continuing Calib Time: 11:51 **Initial Calibration Time(s):** 13:17 14:14

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.87	8.87	8.77	8.97	0.00
Tetrachloro-m-xylene	3.84	3.85	3.75	3.95	0.01
alpha-BHC	4.23	4.23	4.18	4.28	0.00
beta-BHC	4.70	4.70	4.65	4.75	0.00
delta-BHC	4.91	4.91	4.86	4.96	0.00
gamma-BHC (Lindane)	4.52	4.52	4.47	4.57	0.00
Heptachlor	5.02	5.02	4.97	5.07	0.01
Aldrin	5.31	5.32	5.27	5.37	0.01
Heptachlor epoxide	5.70	5.70	5.63	5.77	0.00
Endosulfan I	6.06	6.06	5.99	6.13	0.01
Dieldrin	6.31	6.31	6.24	6.38	0.00
4,4-DDE	6.18	6.18	6.11	6.25	0.00
Endrin	6.53	6.53	6.46	6.60	0.00
Endosulfan II	6.74	6.74	6.67	6.81	0.00
4,4-DDD	6.67	6.67	6.60	6.74	0.00
Endosulfan sulfate	7.09	7.09	7.02	7.16	0.00
4,4-DDT	6.96	6.96	6.89	7.03	0.00
Methoxychlor	7.43	7.43	7.36	7.50	0.00
Endrin ketone	7.56	7.56	7.49	7.63	0.00
Endrin aldehyde	6.87	6.87	6.80	6.94	0.00
alpha-Chlordane	6.01	6.01	5.94	6.08	0.00
gamma-Chlordane	5.94	5.94	5.87	6.01	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/14/2013 **Initial Calibration Date(s):** 02/04/2013 02/04/2013

Continuing Calib Time: 11:51 **Initial Calibration Time(s):** 13:17 14:14

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.04	8.04	7.94	8.14	0.00
Tetrachloro-m-xylene	3.34	3.34	3.24	3.44	0.00
alpha-BHC	3.78	3.77	3.72	3.82	-0.01
beta-BHC	4.31	4.31	4.26	4.36	0.00
delta-BHC	4.51	4.50	4.45	4.55	-0.01
gamma-BHC (Lindane)	4.05	4.05	4.00	4.10	0.00
Heptachlor	4.34	4.34	4.29	4.39	0.00
Aldrin	4.58	4.58	4.53	4.63	0.00
Heptachlor epoxide	5.02	5.02	4.95	5.09	0.00
Endosulfan I	5.36	5.36	5.29	5.43	0.00
Dieldrin	5.60	5.60	5.53	5.67	0.00
4,4-DDE	5.47	5.47	5.40	5.54	0.00
Endrin	5.86	5.86	5.79	5.93	0.00
Endosulfan II	6.13	6.13	6.06	6.20	0.00
4,4-DDD	5.99	5.99	5.92	6.06	0.00
Endosulfan sulfate	6.51	6.51	6.44	6.58	0.00
4,4-DDT	6.22	6.22	6.15	6.29	0.00
Methoxychlor	6.77	6.77	6.70	6.84	0.00
Endrin ketone	7.00	7.00	6.93	7.07	0.00
Endrin aldehyde	6.30	6.30	6.23	6.37	0.00
alpha-Chlordane	5.30	5.30	5.23	5.37	0.00
gamma-Chlordane	5.25	5.25	5.18	5.32	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/04/2013 02/04/2013

Client Sample No.: CCAL01 **Date Analyzed:** 02/14/2013

Lab Sample No.: PSTDCCC050 **Data File :** PL002505.D **Time Analyzed:** 11:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
alpha-BHC	4.233	4.180	4.280	0.048	0.050	4.0
beta-BHC	4.698	4.650	4.750	0.048	0.050	4.0
delta-BHC	4.908	4.860	4.960	0.048	0.050	4.0
gamma-BHC (Lindane)	4.516	4.470	4.570	0.049	0.050	2.0
Heptachlor	5.015	4.970	5.070	0.049	0.050	2.0
Aldrin	5.314	5.270	5.370	0.048	0.050	4.0
Heptachlor epoxide	5.703	5.630	5.770	0.048	0.050	4.0
Endosulfan I	6.055	5.990	6.130	0.047	0.050	6.0
Dieldrin	6.312	6.240	6.380	0.047	0.050	6.0
4,4-DDE	6.175	6.110	6.250	0.047	0.050	6.0
Endrin	6.527	6.460	6.600	0.052	0.050	4.0
Endosulfan II	6.743	6.670	6.810	0.047	0.050	6.0
4,4-DDD	6.666	6.600	6.740	0.048	0.050	4.0
Endosulfan sulfate	7.092	7.020	7.160	0.047	0.050	6.0
4,4-DDT	6.962	6.890	7.030	0.048	0.050	4.0
Methoxychlor	7.429	7.360	7.500	0.050	0.050	0.0
Endrin ketone	7.556	7.490	7.630	0.046	0.050	8.0
Endrin aldehyde	6.868	6.800	6.940	0.048	0.050	4.0
alpha-Chlordane	6.008	5.940	6.080	0.047	0.050	6.0
gamma-Chlordane	5.938	5.870	6.010	0.047	0.050	6.0
Decachlorobiphenyl	8.869	8.770	8.970	0.045	0.050	10.0
Tetrachloro-m-xylene	3.844	3.750	3.950	0.050	0.050	0.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/04/2013 02/04/2013

Client Sample No.: CCAL01 **Date Analyzed:** 02/14/2013

Lab Sample No.: PSTDCCC050 **Data File :** PL002505.D **Time Analyzed:** 11:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
alpha-BHC	3.775	3.720	3.820	0.050	0.050	0.0
beta-BHC	4.307	4.260	4.360	0.049	0.050	2.0
delta-BHC	4.505	4.450	4.550	0.049	0.050	2.0
gamma-BHC (Lindane)	4.054	4.000	4.100	0.049	0.050	2.0
Heptachlor	4.340	4.290	4.390	0.050	0.050	0.0
Aldrin	4.582	4.530	4.630	0.049	0.050	2.0
Heptachlor epoxide	5.023	4.950	5.090	0.049	0.050	2.0
Endosulfan I	5.358	5.290	5.430	0.048	0.050	4.0
Dieldrin	5.599	5.530	5.670	0.048	0.050	4.0
4,4-DDE	5.470	5.400	5.540	0.048	0.050	4.0
Endrin	5.856	5.790	5.930	0.055	0.050	10.0
Endosulfan II	6.131	6.060	6.200	0.047	0.050	6.0
4,4-DDD	5.986	5.920	6.060	0.049	0.050	2.0
Endosulfan sulfate	6.511	6.440	6.580	0.047	0.050	6.0
4,4-DDT	6.222	6.150	6.290	0.051	0.050	2.0
Methoxychlor	6.771	6.700	6.840	0.052	0.050	4.0
Endrin ketone	7.001	6.930	7.070	0.045	0.050	10.0
Endrin aldehyde	6.300	6.230	6.370	0.048	0.050	4.0
alpha-Chlordane	5.303	5.230	5.370	0.048	0.050	4.0
gamma-Chlordane	5.246	5.180	5.320	0.049	0.050	2.0
Decachlorobiphenyl	8.042	7.940	8.140	0.044	0.050	12.0
Tetrachloro-m-xylene	3.340	3.240	3.440	0.050	0.050	0.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/14/2013 **Initial Calibration Date(s):** 02/04/2013 02/04/2013

Continuing Calib Time: 16:29 **Initial Calibration Time(s):** 13:17 14:14

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.87	8.87	8.77	8.97	0.00
Tetrachloro-m-xylene	3.84	3.85	3.75	3.95	0.01
alpha-BHC	4.23	4.23	4.18	4.28	0.00
beta-BHC	4.70	4.70	4.65	4.75	0.00
delta-BHC	4.91	4.91	4.86	4.96	0.00
gamma-BHC (Lindane)	4.52	4.52	4.47	4.57	0.01
Heptachlor	5.01	5.02	4.97	5.07	0.01
Aldrin	5.31	5.32	5.27	5.37	0.01
Heptachlor epoxide	5.70	5.70	5.63	5.77	0.00
Endosulfan I	6.05	6.06	5.99	6.13	0.01
Dieldrin	6.31	6.31	6.24	6.38	0.00
4,4-DDE	6.17	6.18	6.11	6.25	0.01
Endrin	6.53	6.53	6.46	6.60	0.00
Endosulfan II	6.74	6.74	6.67	6.81	0.00
4,4-DDD	6.66	6.67	6.60	6.74	0.01
Endosulfan sulfate	7.09	7.09	7.02	7.16	0.00
4,4-DDT	6.96	6.96	6.89	7.03	0.00
Methoxychlor	7.43	7.43	7.36	7.50	0.00
Endrin ketone	7.56	7.56	7.49	7.63	0.01
Endrin aldehyde	6.87	6.87	6.80	6.94	0.00
alpha-Chlordane	6.01	6.01	5.94	6.08	0.00
gamma-Chlordane	5.94	5.94	5.87	6.01	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

Continuing Calib Date: 02/14/2013 **Initial Calibration Date(s):** 02/04/2013 02/04/2013

Continuing Calib Time: 16:29 **Initial Calibration Time(s):** 13:17 14:14

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.04	8.04	7.94	8.14	0.00
Tetrachloro-m-xylene	3.34	3.34	3.24	3.44	0.00
alpha-BHC	3.78	3.77	3.72	3.82	-0.01
beta-BHC	4.31	4.31	4.26	4.36	0.00
delta-BHC	4.50	4.50	4.45	4.55	0.00
gamma-BHC (Lindane)	4.05	4.05	4.00	4.10	0.00
Heptachlor	4.34	4.34	4.29	4.39	0.00
Aldrin	4.58	4.58	4.53	4.63	0.00
Heptachlor epoxide	5.02	5.02	4.95	5.09	0.00
Endosulfan I	5.36	5.36	5.29	5.43	0.00
Dieldrin	5.60	5.60	5.53	5.67	0.00
4,4-DDE	5.47	5.47	5.40	5.54	0.00
Endrin	5.86	5.86	5.79	5.93	0.01
Endosulfan II	6.13	6.13	6.06	6.20	0.00
4,4-DDD	5.99	5.99	5.92	6.06	0.00
Endosulfan sulfate	6.51	6.51	6.44	6.58	0.00
4,4-DDT	6.22	6.22	6.15	6.29	0.00
Methoxychlor	6.77	6.77	6.70	6.84	0.00
Endrin ketone	7.00	7.00	6.93	7.07	0.00
Endrin aldehyde	6.30	6.30	6.23	6.37	0.00
alpha-Chlordane	5.30	5.30	5.23	5.37	0.00
gamma-Chlordane	5.25	5.25	5.18	5.32	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/04/2013 02/04/2013

Client Sample No.: CCAL02 **Date Analyzed:** 02/14/2013

Lab Sample No.: PSTDCCC050 **Data File :** PL002517.D **Time Analyzed:** 16:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
alpha-BHC	4.232	4.180	4.280	0.050	0.050	0.0
beta-BHC	4.697	4.650	4.750	0.049	0.050	2.0
delta-BHC	4.907	4.860	4.960	0.049	0.050	2.0
gamma-BHC (Lindane)	4.515	4.470	4.570	0.050	0.050	0.0
Heptachlor	5.014	4.970	5.070	0.051	0.050	2.0
Aldrin	5.313	5.270	5.370	0.049	0.050	2.0
Heptachlor epoxide	5.702	5.630	5.770	0.050	0.050	0.0
Endosulfan I	6.054	5.990	6.130	0.049	0.050	2.0
Dieldrin	6.311	6.240	6.380	0.048	0.050	4.0
4,4-DDE	6.173	6.110	6.250	0.047	0.050	6.0
Endrin	6.526	6.460	6.600	0.055	0.050	10.0
Endosulfan II	6.741	6.670	6.810	0.048	0.050	4.0
4,4-DDD	6.664	6.600	6.740	0.048	0.050	4.0
Endosulfan sulfate	7.091	7.020	7.160	0.048	0.050	4.0
4,4-DDT	6.961	6.890	7.030	0.054	0.050	8.0
Methoxychlor	7.427	7.360	7.500	0.056	0.050	12.0
Endrin ketone	7.555	7.490	7.630	0.046	0.050	8.0
Endrin aldehyde	6.866	6.800	6.940	0.048	0.050	4.0
alpha-Chlordane	6.007	5.940	6.080	0.048	0.050	4.0
gamma-Chlordane	5.936	5.870	6.010	0.048	0.050	4.0
Decachlorobiphenyl	8.868	8.770	8.970	0.047	0.050	6.0
Tetrachloro-m-xylene	3.844	3.750	3.950	0.051	0.050	2.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG NO.:** E1297

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/04/2013 02/04/2013

Client Sample No.: CCAL02 **Date Analyzed:** 02/14/2013

Lab Sample No.: PSTDCCC050 **Data File :** PL002517.D **Time Analyzed:** 16:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
alpha-BHC	3.775	3.720	3.820	0.052	0.050	4.0
beta-BHC	4.306	4.260	4.360	0.050	0.050	0.0
delta-BHC	4.504	4.450	4.550	0.051	0.050	2.0
gamma-BHC (Lindane)	4.054	4.000	4.100	0.051	0.050	2.0
Heptachlor	4.340	4.290	4.390	0.053	0.050	6.0
Aldrin	4.581	4.530	4.630	0.051	0.050	2.0
Heptachlor epoxide	5.023	4.950	5.090	0.050	0.050	0.0
Endosulfan I	5.357	5.290	5.430	0.050	0.050	0.0
Dieldrin	5.598	5.530	5.670	0.049	0.050	2.0
4,4-DDE	5.470	5.400	5.540	0.050	0.050	0.0
Endrin	5.855	5.790	5.930	0.055	0.050	10.0
Endosulfan II	6.131	6.060	6.200	0.049	0.050	2.0
4,4-DDD	5.985	5.920	6.060	0.049	0.050	2.0
Endosulfan sulfate	6.511	6.440	6.580	0.049	0.050	2.0
4,4-DDT	6.221	6.150	6.290	0.058	0.050	16.0
Methoxychlor	6.771	6.700	6.840	0.058	0.050	16.0
Endrin ketone	7.001	6.930	7.070	0.048	0.050	4.0
Endrin aldehyde	6.300	6.230	6.370	0.051	0.050	2.0
alpha-Chlordane	5.303	5.230	5.370	0.050	0.050	0.0
gamma-Chlordane	5.245	5.180	5.320	0.050	0.050	0.0
Decachlorobiphenyl	8.040	7.940	8.140	0.047	0.050	6.0
Tetrachloro-m-xylene	3.340	3.240	3.440	0.051	0.050	2.0

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/04/2013 02/04/2013

Client Sample No. (PEM): PEM - PL002372.D Date Analyzed: 02/04/2013

Lab Sample No.(PEM): PEM Time Analyzed: 12:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.874	8.770	8.970	0.024	0.020	20.0
Tetrachloro-m-xylene	3.846	3.750	3.950	0.026	0.020	30.0
alpha-BHC	4.234	4.180	4.280	0.010	0.010	0.0
beta-BHC	4.699	4.650	4.750	0.011	0.010	10.0
gamma-BHC (Lindane)	4.517	4.470	4.570	0.011	0.010	10.0
Endrin	6.530	6.460	6.600	0.062	0.050	24.0
4,4-DDT	6.965	6.890	7.030	0.161	0.100	61.0
Methoxychlor	7.432	7.360	7.500	0.368	0.250	47.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/04/2013 02/04/2013

Client Sample No. (PEM): PEM - PL002372.D Date Analyzed: 02/04/2013

Lab Sample No.(PEM): PEM Time Analyzed: 12:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.043	7.940	8.140	0.023	0.020	15.0
Tetrachloro-m-xylene	3.340	3.240	3.440	0.024	0.020	20.0
alpha-BHC	3.775	3.720	3.820	0.011	0.010	10.0
beta-BHC	4.306	4.260	4.360	0.012	0.010	20.0
gamma-BHC (Lindane)	4.054	4.000	4.100	0.012	0.010	20.0
Endrin	5.856	5.790	5.930	0.061	0.050	22.0
4,4-DDT	6.222	6.150	6.290	0.151	0.100	51.0
Methoxychlor	6.772	6.700	6.840	0.333	0.250	33.2

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/04/2013 02/04/2013

Client Sample No. (PEM): PEM - PL002504.D Date Analyzed: 02/14/2013

Lab Sample No.(PEM): PEM Time Analyzed: 11:37

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.870	8.770	8.970	0.023	0.020	15.0
Tetrachloro-m-xylene	3.845	3.750	3.950	0.025	0.020	25.0
alpha-BHC	4.233	4.180	4.280	0.010	0.010	0.0
beta-BHC	4.698	4.650	4.750	0.010	0.010	0.0
gamma-BHC (Lindane)	4.515	4.470	4.570	0.010	0.010	0.0
Endrin	6.528	6.460	6.600	0.063	0.050	26.0
4,4-DDT	6.963	6.890	7.030	0.154	0.100	54.0
Methoxychlor	7.428	7.360	7.500	0.353	0.250	41.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/04/2013 02/04/2013

Client Sample No. (PEM): PEM - PL002504.D Date Analyzed: 02/14/2013

Lab Sample No.(PEM): PEM Time Analyzed: 11:37

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.041	7.940	8.140	0.021	0.020	5.0
Tetrachloro-m-xylene	3.341	3.240	3.440	0.025	0.020	25.0
alpha-BHC	3.775	3.720	3.820	0.012	0.010	20.0
beta-BHC	4.307	4.260	4.360	0.012	0.010	20.0
gamma-BHC (Lindane)	4.055	4.000	4.100	0.012	0.010	20.0
Endrin	5.856	5.790	5.930	0.062	0.050	24.0
4,4-DDT	6.222	6.150	6.290	0.145	0.100	45.0
Methoxychlor	6.771	6.700	6.840	0.318	0.250	27.2

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Analytical Sequence

Client: Sustainable Management LLC **SDG No.:** E1297

Project: Samoo Architects **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/04/2013 02/04/2013

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
PIBLK01	I.BLK01	02/04/2013	12:34	PL002371.D	8.87	3.85
PEM01	PEM01	02/04/2013	12:48	PL002372.D	8.87	3.85
RESC01	RESCHK	02/04/2013	13:02	PL002373.D	8.87	3.85
PSTDICC100	PSTDICC100	02/04/2013	13:17	PL002374.D	8.87	3.85
PSTDICC075	PSTDICC075	02/04/2013	13:31	PL002375.D	8.87	3.85
PSTDICC050	PSTDICC050	02/04/2013	13:45	PL002376.D	8.87	3.85
PSTDICC025	PSTDICC025	02/04/2013	13:59	PL002377.D	8.87	3.85
PSTDICC005	PSTDICC005	02/04/2013	14:14	PL002378.D	8.87	3.85
PTOXICC500	PTOXICC500	02/04/2013	14:42	PL002380.D	8.87	3.85
PCHLORICC500	PCHLORICC500	02/04/2013	14:56	PL002381.D	8.87	3.85
PIBLK02	I.BLK02	02/14/2013	11:23	PL002503.D	8.87	3.85
PEM02	PEM02	02/14/2013	11:37	PL002504.D	8.87	3.85
CCAL01	PSTDCCC050	02/14/2013	11:51	PL002505.D	8.87	3.84
PB68347BL	PB68347BL	02/14/2013	13:19	PL002506.D	8.87	3.85
PB68347BS	PB68347BS	02/14/2013	13:33	PL002507.D	8.87	3.84
PB68347BSD	PB68347BSD	02/14/2013	13:47	PL002508.D	8.87	3.84
GW	E1297-03	02/14/2013	14:01	PL002509.D	8.87	3.84
PB68353BL	PB68353BL	02/14/2013	14:49	PL002510.D	8.88	3.85
PB68353BS	PB68353BS	02/14/2013	15:04	PL002511.D	8.87	3.85
SB0-2	E1297-01	02/14/2013	15:18	PL002512.D	8.87	3.84
SB28-30	E1297-02	02/14/2013	15:32	PL002513.D	8.87	3.84
SB28-30MS	E1297-02MS	02/14/2013	15:46	PL002514.D	8.87	3.84
SB28-30MSD	E1297-02MSD	02/14/2013	16:00	PL002515.D	8.87	3.84
PIBLK03	I.BLK03	02/14/2013	16:14	PL002516.D	8.87	3.84
CCAL02	PSTDCCC050	02/14/2013	16:29	PL002517.D	8.87	3.84

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Analytical Sequence

Client: Sustainable Management LLC **SDG No.:** E1297

Project: Samoo Architects **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/04/2013 02/04/2013

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
PIBLK01	I.BLK01	02/04/2013	12:34	PL002371.D	8.04	3.34
PEM01	PEM01	02/04/2013	12:48	PL002372.D	8.04	3.34
RESC01	RESCHK	02/04/2013	13:02	PL002373.D	8.04	3.34
PSTDICC100	PSTDICC100	02/04/2013	13:17	PL002374.D	8.04	3.34
PSTDICC075	PSTDICC075	02/04/2013	13:31	PL002375.D	8.04	3.34
PSTDICC050	PSTDICC050	02/04/2013	13:45	PL002376.D	8.04	3.34
PSTDICC025	PSTDICC025	02/04/2013	13:59	PL002377.D	8.04	3.34
PSTDICC005	PSTDICC005	02/04/2013	14:14	PL002378.D	8.04	3.34
PTOXICC500	PTOXICC500	02/04/2013	14:42	PL002380.D	8.04	3.34
PCHLORICC500	PCHLORICC500	02/04/2013	14:56	PL002381.D	8.04	3.34
PIBLK02	I.BLK02	02/14/2013	11:23	PL002503.D	8.04	3.34
PEM02	PEM02	02/14/2013	11:37	PL002504.D	8.04	3.34
CCAL01	PSTDCCC050	02/14/2013	11:51	PL002505.D	8.04	3.34
PB68347BL	PB68347BL	02/14/2013	13:19	PL002506.D	8.04	3.34
PB68347BS	PB68347BS	02/14/2013	13:33	PL002507.D	8.04	3.34
PB68347BSD	PB68347BSD	02/14/2013	13:47	PL002508.D	8.04	3.34
GW	E1297-03	02/14/2013	14:01	PL002509.D	8.04	3.34
PB68353BL	PB68353BL	02/14/2013	14:49	PL002510.D	8.05	3.34
PB68353BS	PB68353BS	02/14/2013	15:04	PL002511.D	8.04	3.34
SB0-2	E1297-01	02/14/2013	15:18	PL002512.D	8.04	3.34
SB28-30	E1297-02	02/14/2013	15:32	PL002513.D	8.04	3.34
SB28-30MS	E1297-02MS	02/14/2013	15:46	PL002514.D	8.04	3.34
SB28-30MSD	E1297-02MSD	02/14/2013	16:00	PL002515.D	8.04	3.34
PIBLK03	I.BLK03	02/14/2013	16:14	PL002516.D	8.04	3.34
CCAL02	PSTDCCC050	02/14/2013	16:29	PL002517.D	8.04	3.34

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB68347BS

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68347BS Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-BHC	1	4.23	4.18	4.28	0.58	0.0
	2	3.78	3.72	3.82	0.58	
beta-BHC	1	4.70	4.65	4.75	0.57	1.8
	2	4.31	4.26	4.36	0.56	
delta-BHC	1	4.91	4.86	4.96	0.57	0.0
	2	4.50	4.45	4.55	0.57	
gamma-BHC (Lindane)	1	4.52	4.47	4.57	0.57	0.0
	2	4.05	4.00	4.10	0.57	
Heptachlor	1	5.02	4.97	5.07	0.57	1.7
	2	4.34	4.29	4.39	0.58	
Aldrin	1	5.31	5.27	5.37	0.56	0.0
	2	4.58	4.53	4.63	0.56	
Heptachlor epoxide	1	5.70	5.63	5.77	0.56	0.0
	2	5.02	4.95	5.09	0.56	
Endosulfan I	1	6.06	5.99	6.13	0.55	0.0
	2	5.36	5.29	5.43	0.55	
Dieldrin	1	6.31	6.24	6.38	0.55	0.0
	2	5.60	5.53	5.67	0.55	
4,4-DDE	1	6.18	6.11	6.25	0.54	1.8
	2	5.47	5.40	5.54	0.55	
Endrin	1	6.53	6.46	6.60	0.62	1.6
	2	5.86	5.79	5.93	0.61	
Endosulfan II	1	6.74	6.67	6.81	0.55	1.8
	2	6.13	6.06	6.20	0.54	
4,4-DDD	1	6.67	6.60	6.74	0.54	1.8
	2	5.99	5.92	6.06	0.55	
Endosulfan sulfate	1	7.09	7.02	7.16	0.54	0.0
	2	6.51	6.44	6.58	0.54	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB68347BS

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68347BS Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4-DDT	1	6.96	6.89	7.03	0.60	3.3
	2	6.22	6.15	6.29	0.62	
Methoxychlor	1	7.43	7.36	7.50	0.60	1.7
	2	6.77	6.70	6.84	0.61	
Endrin ketone	1	7.56	7.49	7.63	0.52	0.0
	2	7.00	6.93	7.07	0.52	
Endrin aldehyde	1	6.87	6.80	6.94	0.51	0.0
	2	6.30	6.23	6.37	0.51	
alpha-Chlordane	1	6.01	5.94	6.08	0.54	3.6
	2	5.30	5.23	5.37	0.56	
gamma-Chlordane	1	5.94	5.87	6.01	0.54	3.6
	2	5.25	5.18	5.32	0.56	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB68347BSD

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68347BSD Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.43	7.36	7.50	0.62	0.0
	2	6.77	6.70	6.84	0.62	
Endrin ketone	1	7.56	7.49	7.63	0.52	0.0
	2	7.00	6.93	7.07	0.52	
Endrin aldehyde	1	6.87	6.80	6.94	0.51	1.9
	2	6.30	6.23	6.37	0.52	
alpha-Chlordane	1	6.01	5.94	6.08	0.54	1.8
	2	5.30	5.23	5.37	0.55	
gamma-Chlordane	1	5.94	5.87	6.01	0.54	1.8
	2	5.25	5.18	5.32	0.55	
alpha-BHC	1	4.23	4.18	4.28	0.57	1.8
	2	3.78	3.72	3.82	0.56	
beta-BHC	1	4.70	4.65	4.75	0.56	0.0
	2	4.31	4.26	4.36	0.56	
delta-BHC	1	4.91	4.86	4.96	0.56	0.0
	2	4.50	4.45	4.55	0.56	
gamma-BHC (Lindane)	1	4.52	4.47	4.57	0.56	0.0
	2	4.05	4.00	4.10	0.56	
Heptachlor	1	5.02	4.97	5.07	0.57	0.0
	2	4.34	4.29	4.39	0.57	
Aldrin	1	5.31	5.27	5.37	0.55	0.0
	2	4.58	4.53	4.63	0.55	
Heptachlor epoxide	1	5.70	5.63	5.77	0.55	0.0
	2	5.02	4.95	5.09	0.55	
Endosulfan I	1	6.06	5.99	6.13	0.55	0.0
	2	5.36	5.29	5.43	0.55	
Dieldrin	1	6.31	6.24	6.38	0.54	1.8
	2	5.60	5.53	5.67	0.55	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB68347BSD

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68347BSD Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4-DDE	1	6.18	6.11	6.25	0.54	1.8
	2	5.47	5.40	5.54	0.55	
Endrin	1	6.53	6.46	6.60	0.61	1.6
	2	5.86	5.79	5.93	0.62	
Endosulfan II	1	6.74	6.67	6.81	0.56	3.6
	2	6.13	6.06	6.20	0.54	
4,4-DDD	1	6.67	6.60	6.74	0.53	3.7
	2	5.99	5.92	6.06	0.55	
Endosulfan sulfate	1	7.09	7.02	7.16	0.55	1.8
	2	6.51	6.44	6.58	0.54	
4,4-DDT	1	6.96	6.89	7.03	0.61	4.8
	2	6.22	6.15	6.29	0.64	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB68353BS

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68353BS Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Heptachlor epoxide	1	5.70	5.63	5.77	16	0.0
	2	5.02	4.95	5.09	16	
Endosulfan I	1	6.06	5.99	6.13	16	0.0
	2	5.36	5.29	5.43	16	
Dieldrin	1	6.31	6.24	6.38	16	0.0
	2	5.60	5.53	5.67	16	
4,4-DDE	1	6.18	6.11	6.25	16	0.0
	2	5.47	5.40	5.54	16	
Endrin	1	6.53	6.46	6.60	18	10.5
	2	5.86	5.79	5.93	20	
Endosulfan II	1	6.74	6.67	6.81	16	0.0
	2	6.13	6.06	6.20	16	
4,4-DDD	1	6.67	6.60	6.74	16	0.0
	2	5.99	5.92	6.06	16	
Endosulfan sulfate	1	7.09	7.02	7.16	16	0.0
	2	6.51	6.44	6.58	16	
4,4-DDT	1	6.96	6.89	7.03	18	5.4
	2	6.22	6.15	6.29	19	
Methoxychlor	1	7.43	7.36	7.50	18	0.0
	2	6.77	6.70	6.84	18	
Endrin ketone	1	7.56	7.49	7.63	15	0.0
	2	7.00	6.93	7.07	15	
Endrin aldehyde	1	6.87	6.80	6.94	15	6.5
	2	6.30	6.23	6.37	16	
alpha-Chlordane	1	6.01	5.94	6.08	16	0.0
	2	5.30	5.23	5.37	16	
gamma-Chlordane	1	5.94	5.87	6.01	16	0.0
	2	5.25	5.18	5.32	16	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB68353BS

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: PB68353BS Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-BHC	1	4.23	4.18	4.28	16	6.1
	2	3.78	3.72	3.82	17	
beta-BHC	1	4.70	4.65	4.75	15	6.5
	2	4.31	4.26	4.36	16	
delta-BHC	1	4.91	4.86	4.96	16	6.1
	2	4.51	4.45	4.55	17	
gamma-BHC (Lindane)	1	4.52	4.47	4.57	16	6.1
	2	4.05	4.00	4.10	17	
Heptachlor	1	5.02	4.97	5.07	17	0.0
	2	4.34	4.29	4.39	17	
Aldrin	1	5.32	5.27	5.37	16	0.0
	2	4.58	4.53	4.63	16	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB28-30MS

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: E1297-02MS Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-BHC	1	4.23	4.18	4.28	21	4.7
	2	3.78	3.72	3.82	22	
beta-BHC	1	4.70	4.65	4.75	20	4.9
	2	4.31	4.26	4.36	21	
delta-BHC	1	4.91	4.86	4.96	20	4.9
	2	4.50	4.45	4.55	21	
gamma-BHC (Lindane)	1	4.52	4.47	4.57	21	0.0
	2	4.05	4.00	4.10	21	
Heptachlor	1	5.02	4.97	5.07	21	4.7
	2	4.34	4.29	4.39	22	
Aldrin	1	5.31	5.27	5.37	20	4.9
	2	4.58	4.53	4.63	21	
Heptachlor epoxide	1	5.70	5.63	5.77	20	4.9
	2	5.02	4.95	5.09	21	
Endosulfan I	1	6.06	5.99	6.13	20	4.9
	2	5.36	5.29	5.43	21	
Dieldrin	1	6.31	6.24	6.38	20	4.9
	2	5.60	5.53	5.67	21	
4,4-DDE	1	6.17	6.11	6.25	19	10.0
	2	5.47	5.40	5.54	21	
Endrin	1	6.53	6.46	6.60	23	12.2
	2	5.86	5.79	5.93	26	
Endosulfan II	1	6.74	6.67	6.81	22	9.5
	2	6.13	6.06	6.20	20	
4,4-DDD	1	6.67	6.60	6.74	19	10.0
	2	5.99	5.92	6.06	21	
Endosulfan sulfate	1	7.09	7.02	7.16	20	0.0
	2	6.51	6.44	6.58	20	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB28-30MS

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: E1297-02MS Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4-DDT	1	6.96	6.89	7.03	23	8.3
	2	6.22	6.15	6.29	25	
Methoxychlor	1	7.43	7.36	7.50	24	0.0
	2	6.77	6.70	6.84	24	
Endrin ketone	1	7.56	7.49	7.63	19	0.0
	2	7.00	6.93	7.07	19	
Endrin aldehyde	1	6.87	6.80	6.94	20	4.9
	2	6.30	6.23	6.37	21	
alpha-Chlordane	1	6.01	5.94	6.08	20	4.9
	2	5.30	5.23	5.37	21	
gamma-Chlordane	1	5.94	5.87	6.01	20	4.9
	2	5.25	5.18	5.32	21	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB28-30MSD

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: E1297-02MSD Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-BHC	1	4.23	4.18	4.28	21	4.7
	2	3.78	3.72	3.82	22	
beta-BHC	1	4.70	4.65	4.75	20	4.9
	2	4.31	4.26	4.36	21	
delta-BHC	1	4.91	4.86	4.96	21	0.0
	2	4.50	4.45	4.55	21	
gamma-BHC (Lindane)	1	4.52	4.47	4.57	21	4.7
	2	4.05	4.00	4.10	22	
Heptachlor	1	5.01	4.97	5.07	21	4.7
	2	4.34	4.29	4.39	22	
Aldrin	1	5.31	5.27	5.37	20	4.9
	2	4.58	4.53	4.63	21	
Heptachlor epoxide	1	5.70	5.63	5.77	21	0.0
	2	5.02	4.95	5.09	21	
Endosulfan I	1	6.06	5.99	6.13	20	4.9
	2	5.36	5.29	5.43	21	
Dieldrin	1	6.31	6.24	6.38	21	0.0
	2	5.60	5.53	5.67	21	
4,4-DDE	1	6.17	6.11	6.25	20	4.9
	2	5.47	5.40	5.54	21	
Endrin	1	6.53	6.46	6.60	23	16.0
	2	5.86	5.79	5.93	27	
Endosulfan II	1	6.74	6.67	6.81	22	4.7
	2	6.13	6.06	6.20	21	
4,4-DDD	1	6.67	6.60	6.74	19	10.0
	2	5.99	5.92	6.06	21	
Endosulfan sulfate	1	7.09	7.02	7.16	20	0.0
	2	6.51	6.44	6.58	20	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB28-30MSD

Contract: SUST01

Lab Code: CHEM Case No.: E1297 SAS No.: E1297 SDG NO.: E1297

Lab Sample ID: E1297-02MSD Date(s) Analyzed: 02/14/2013 02/14/2013

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4-DDT	1	6.96	6.89	7.03	24	4.1
	2	6.22	6.15	6.29	25	
Methoxychlor	1	7.43	7.36	7.50	24	0.0
	2	6.77	6.70	6.84	24	
Endrin ketone	1	7.56	7.49	7.63	19	0.0
	2	7.00	6.93	7.07	19	
Endrin aldehyde	1	6.87	6.80	6.94	20	4.9
	2	6.30	6.23	6.37	21	
alpha-Chlordane	1	6.01	5.94	6.08	20	4.9
	2	5.30	5.23	5.37	21	
gamma-Chlordane	1	5.94	5.87	6.01	20	4.9
	2	5.25	5.18	5.32	21	

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LAB CHRONICLE

OrderID:	E1297	**OrderDate:**	2/13/2013 12:49:32 PM
Client:	Sustainable Management LLC	**Project:**	Samoo Architects
Contact:	Chunyuan Li	**Location:**	G32

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
E1297-01	**SB0-2**	**SOIL**			**02/12/13**			**02/13/13**
			Mercury	7471A		02/13/13	02/14/13	
			Metals ICP-TAL	6010B		02/14/13	02/14/13	
E1297-02	**SB28-30**	**SOIL**			**02/12/13**			**02/13/13**
			Mercury	7471A		02/13/13	02/14/13	
			Metals ICP-TAL	6010B		02/14/13	02/14/13	
E1297-03	**GW**	**WATER**			**02/12/13**			**02/13/13**
			Mercury	7470A		02/14/13	02/15/13	
			Metals ICP-TAL	6010B		02/14/13	02/14/13	
E1297-04	**GW**	**WATER**			**02/12/13**			**02/13/13**
			Dissolved ICP-TAL Metals	6010B		02/14/13	02/14/13	
			Dissolved Mercury	7470A		02/14/13	02/15/13	

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Hit Summary Sheet
SW-846

SDG No.: E1297 **Order ID:** E1297

Client: Sustainable Management LLC **Project ID:** Samoo Architects

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : SB0-2									
E1297-01	SB0-2	SOIL	Aluminum	9,740.000		0.91	2.715	5.430	mg/Kg
E1297-01	SB0-2	SOIL	Arsenic	3.110		0.36	0.545	1.090	mg/Kg
E1297-01	SB0-2	SOIL	Barium	43.700		0.43	2.715	5.430	mg/Kg
E1297-01	SB0-2	SOIL	Beryllium	0.210	J	0.07	0.165	0.33	mg/Kg
E1297-01	SB0-2	SOIL	Calcium	1,270.000		1.160	54.5	109	mg/Kg
E1297-01	SB0-2	SOIL	Chromium	16.100		0.14	0.27	0.54	mg/Kg
E1297-01	SB0-2	SOIL	Cobalt	12.000		0.62	0.815	1.630	mg/Kg
E1297-01	SB0-2	SOIL	Copper	4.970		0.35	0.545	1.090	mg/Kg
E1297-01	SB0-2	SOIL	Iron	22,200.000		1.450	2.715	5.430	mg/Kg
E1297-01	SB0-2	SOIL	Lead	12.900		0.13	0.325	0.65	mg/Kg
E1297-01	SB0-2	SOIL	Magnesium	1,790.000		4.980	54.5	109	mg/Kg
E1297-01	SB0-2	SOIL	Manganese	491.000		0.21	0.545	1.090	mg/Kg
E1297-01	SB0-2	SOIL	Mercury	0.026		0.002	0.006	0.012	mg/Kg
E1297-01	SB0-2	SOIL	Nickel	15.200		0.50	1.085	2.170	mg/Kg
E1297-01	SB0-2	SOIL	Potassium	593.000		3.800	54.5	109	mg/Kg
E1297-01	SB0-2	SOIL	Sodium	52.700	J	2.740	54.5	109	mg/Kg
E1297-01	SB0-2	SOIL	Thallium	0.900	J	0.29	1.085	2.170	mg/Kg
E1297-01	SB0-2	SOIL	Vanadium	20.500		0.64	1.085	2.170	mg/Kg
E1297-01	SB0-2	SOIL	Zinc	30.100		0.76	1.085	2.170	mg/Kg
Client ID : SB28-30									
E1297-02	SB28-30	SOIL	Aluminum	2,670.000		0.94	2.805	5.610	mg/Kg
E1297-02	SB28-30	SOIL	Arsenic	0.460	J	0.37	0.56	1.120	mg/Kg
E1297-02	SB28-30	SOIL	Barium	10.500		0.45	2.805	5.610	mg/Kg
E1297-02	SB28-30	SOIL	Beryllium	0.300	J	0.07	0.17	0.34	mg/Kg
E1297-02	SB28-30	SOIL	Calcium	599.000		1.200	56	112	mg/Kg
E1297-02	SB28-30	SOIL	Chromium	13.400		0.15	0.28	0.56	mg/Kg
E1297-02	SB28-30	SOIL	Cobalt	29.800		0.64	0.84	1.680	mg/Kg
E1297-02	SB28-30	SOIL	Copper	70.500		0.36	0.56	1.120	mg/Kg
E1297-02	SB28-30	SOIL	Iron	64,800.000		1.490	2.805	5.610	mg/Kg
E1297-02	SB28-30	SOIL	Lead	8.600		0.13	0.335	0.67	mg/Kg
E1297-02	SB28-30	SOIL	Magnesium	780.000		5.140	56	112	mg/Kg
E1297-02	SB28-30	SOIL	Manganese	146.000		0.21	0.56	1.120	mg/Kg
E1297-02	SB28-30	SOIL	Nickel	49.100		0.52	1.125	2.250	mg/Kg
E1297-02	SB28-30	SOIL	Potassium	643.000		3.930	56	112	mg/Kg
E1297-02	SB28-30	SOIL	Selenium	3.160		0.46	0.56	1.120	mg/Kg
E1297-02	SB28-30	SOIL	Silver	4.100		0.17	0.28	0.56	mg/Kg
E1297-02	SB28-30	SOIL	Thallium	0.440	J	0.30	1.125	2.250	mg/Kg
E1297-02	SB28-30	SOIL	Vanadium	34.100		0.66	1.125	2.250	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: E1297 **Order ID:** E1297

Client: Sustainable Management LLC **Project ID:** Samoo Architects

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
E1297-02	SB28-30	SOIL	Zinc	76.200		0.79	1.125	2.250	mg/Kg
Client ID :	**GW**								
E1297-03	GW	WATER	Aluminum	3,530.000		6.500	25	50.0	ug/L
E1297-03	GW	WATER	Barium	288.000		4.000	25	50.0	ug/L
E1297-03	GW	WATER	Calcium	41,100.000		31.8	500	1000	ug/L
E1297-03	GW	WATER	Chromium	9.420		1.100	2.5	5.000	ug/L
E1297-03	GW	WATER	Cobalt	33.300		5.800	7.5	15.0	ug/L
E1297-03	GW	WATER	Copper	44.100		2.000	5	10.0	ug/L
E1297-03	GW	WATER	Iron	10,500.000		20.4	25	50.0	ug/L
E1297-03	GW	WATER	Lead	22.000		2.600	3	6.000	ug/L
E1297-03	GW	WATER	Magnesium	17,200.000		32.5	500	1000	ug/L
E1297-03	GW	WATER	Manganese	6,490.000		1.700	5	10.0	ug/L
E1297-03	GW	WATER	Nickel	26.100		4.200	10	20.0	ug/L
E1297-03	GW	WATER	Potassium	6,340.000		38.8	500	1000	ug/L
E1297-03	GW	WATER	Sodium	20,900.000		13.9	500	1000	ug/L
E1297-03	GW	WATER	Vanadium	6.580	J	6.100	10	20.0	ug/L
E1297-03	GW	WATER	Zinc	154.000		6.500	10	20.0	ug/L
Client ID :	**GW**								
E1297-04	GW	WATER	Barium	50.000		4.000	25	50.0	ug/L
E1297-04	GW	WATER	Calcium	33,200.000		31.8	500	1000	ug/L
E1297-04	GW	WATER	Cobalt	9.160	J	5.800	7.5	15.0	ug/L
E1297-04	GW	WATER	Copper	12.700		2.000	5	10.0	ug/L
E1297-04	GW	WATER	Magnesium	14,300.000		32.5	500	1000	ug/L
E1297-04	GW	WATER	Manganese	1,170.000		1.700	5	10.0	ug/L
E1297-04	GW	WATER	Nickel	11.000	J	4.200	10	20.0	ug/L
E1297-04	GW	WATER	Potassium	4,880.000		38.8	500	1000	ug/L
E1297-04	GW	WATER	Sodium	20,600.000		13.9	500	1000	ug/L
E1297-04	GW	WATER	Thallium	2.500	J	2.400	10	20.0	ug/L
E1297-04	GW	WATER	Zinc	25.200		6.500	10	20.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB0-2	SDG No.:	E1297
Lab Sample ID:	E1297-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	9740		1	0.91	2.715	5.43	mg/Kg	02/14/13	02/14/13	SW6010B
7440-36-0	Antimony	1.36	UN	1	0.61	1.36	2.72	mg/Kg	02/14/13	02/14/13	SW6010B
7440-38-2	Arsenic	3.11		1	0.36	0.545	1.09	mg/Kg	02/14/13	02/14/13	SW6010B
7440-39-3	Barium	43.7		1	0.43	2.715	5.43	mg/Kg	02/14/13	02/14/13	SW6010B
7440-41-7	Beryllium	0.21	J	1	0.07	0.165	0.33	mg/Kg	02/14/13	02/14/13	SW6010B
7440-43-9	Cadmium	0.165	U	1	0.07	0.165	0.33	mg/Kg	02/14/13	02/14/13	SW6010B
7440-70-2	Calcium	1270		1	1.16	54.5	109	mg/Kg	02/14/13	02/14/13	SW6010B
7440-47-3	Chromium	16.1		1	0.14	0.27	0.54	mg/Kg	02/14/13	02/14/13	SW6010B
7440-48-4	Cobalt	12	N	1	0.62	0.815	1.63	mg/Kg	02/14/13	02/14/13	SW6010B
7440-50-8	Copper	4.97		1	0.35	0.545	1.09	mg/Kg	02/14/13	02/14/13	SW6010B
7439-89-6	Iron	22200		1	1.45	2.715	5.43	mg/Kg	02/14/13	02/14/13	SW6010B
7439-92-1	Lead	12.9		1	0.13	0.325	0.65	mg/Kg	02/14/13	02/14/13	SW6010B
7439-95-4	Magnesium	1790		1	4.98	54.5	109	mg/Kg	02/14/13	02/14/13	SW6010B
7439-96-5	Manganese	491		1	0.21	0.545	1.09	mg/Kg	02/14/13	02/14/13	SW6010B
7439-97-6	Mercury	0.026		1	0.002	0.006	0.012	mg/Kg	02/13/13	02/14/13	SW7471A
7440-02-0	Nickel	15.2		1	0.5	1.085	2.17	mg/Kg	02/14/13	02/14/13	SW6010B
7440-09-7	Potassium	593		1	3.8	54.5	109	mg/Kg	02/14/13	02/14/13	SW6010B
7782-49-2	Selenium	0.545	U	1	0.45	0.545	1.09	mg/Kg	02/14/13	02/14/13	SW6010B
7440-22-4	Silver	0.27	U	1	0.16	0.27	0.54	mg/Kg	02/14/13	02/14/13	SW6010B
7440-23-5	Sodium	52.7	J	1	2.74	54.5	109	mg/Kg	02/14/13	02/14/13	SW6010B
7440-28-0	Thallium	0.9	J	1	0.29	1.085	2.17	mg/Kg	02/14/13	02/14/13	SW6010B
7440-62-2	Vanadium	20.5		1	0.64	1.085	2.17	mg/Kg	02/14/13	02/14/13	SW6010B
7440-66-6	Zinc	30.1		1	0.76	1.085	2.17	mg/Kg	02/14/13	02/14/13	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SB28-30	SDG No.:	E1297
Lab Sample ID:	E1297-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	77.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	2670		1	0.94	2.805	5.61	mg/Kg	02/14/13	02/14/13	SW6010B
7440-36-0	Antimony	1.405	UN	1	0.63	1.405	2.81	mg/Kg	02/14/13	02/14/13	SW6010B
7440-38-2	Arsenic	0.46	J	1	0.37	0.56	1.12	mg/Kg	02/14/13	02/14/13	SW6010B
7440-39-3	Barium	10.5		1	0.45	2.805	5.61	mg/Kg	02/14/13	02/14/13	SW6010B
7440-41-7	Beryllium	0.3	J	1	0.07	0.17	0.34	mg/Kg	02/14/13	02/14/13	SW6010B
7440-43-9	Cadmium	0.17	U	1	0.07	0.17	0.34	mg/Kg	02/14/13	02/14/13	SW6010B
7440-70-2	Calcium	599		1	1.2	56	112	mg/Kg	02/14/13	02/14/13	SW6010B
7440-47-3	Chromium	13.4		1	0.15	0.28	0.56	mg/Kg	02/14/13	02/14/13	SW6010B
7440-48-4	Cobalt	29.8	N	1	0.64	0.84	1.68	mg/Kg	02/14/13	02/14/13	SW6010B
7440-50-8	Copper	70.5		1	0.36	0.56	1.12	mg/Kg	02/14/13	02/14/13	SW6010B
7439-89-6	Iron	64800		1	1.49	2.805	5.61	mg/Kg	02/14/13	02/14/13	SW6010B
7439-92-1	Lead	8.6		1	0.13	0.335	0.67	mg/Kg	02/14/13	02/14/13	SW6010B
7439-95-4	Magnesium	780		1	5.14	56	112	mg/Kg	02/14/13	02/14/13	SW6010B
7439-96-5	Manganese	146		1	0.21	0.56	1.12	mg/Kg	02/14/13	02/14/13	SW6010B
7439-97-6	Mercury	0.006	U	1	0.002	0.006	0.012	mg/Kg	02/13/13	02/14/13	SW7471A
7440-02-0	Nickel	49.1		1	0.52	1.125	2.25	mg/Kg	02/14/13	02/14/13	SW6010B
7440-09-7	Potassium	643		1	3.93	56	112	mg/Kg	02/14/13	02/14/13	SW6010B
7782-49-2	Selenium	3.16		1	0.46	0.56	1.12	mg/Kg	02/14/13	02/14/13	SW6010B
7440-22-4	Silver	4.1		1	0.17	0.28	0.56	mg/Kg	02/14/13	02/14/13	SW6010B
7440-23-5	Sodium	56	U	1	2.83	56	112	mg/Kg	02/14/13	02/14/13	SW6010B
7440-28-0	Thallium	0.44	J	1	0.3	1.125	2.25	mg/Kg	02/14/13	02/14/13	SW6010B
7440-62-2	Vanadium	34.1		1	0.66	1.125	2.25	mg/Kg	02/14/13	02/14/13	SW6010B
7440-66-6	Zinc	76.2		1	0.79	1.125	2.25	mg/Kg	02/14/13	02/14/13	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	3530	N	1	6.5	25	50	ug/L	02/14/13	02/14/13	SW6010B
7440-36-0	Antimony	12.5	U	1	8	12.5	25	ug/L	02/14/13	02/14/13	SW6010B
7440-38-2	Arsenic	5	U	1	4.2	5	10	ug/L	02/14/13	02/14/13	SW6010B
7440-39-3	Barium	288		1	4	25	50	ug/L	02/14/13	02/14/13	SW6010B
7440-41-7	Beryllium	1.5	U	1	0.7	1.5	3	ug/L	02/14/13	02/14/13	SW6010B
7440-43-9	Cadmium	1.5	U	1	0.5	1.5	3	ug/L	02/14/13	02/14/13	SW6010B
7440-70-2	Calcium	41100		1	31.8	500	1000	ug/L	02/14/13	02/14/13	SW6010B
7440-47-3	Chromium	9.42		1	1.1	2.5	5	ug/L	02/14/13	02/14/13	SW6010B
7440-48-4	Cobalt	33.3		1	5.8	7.5	15	ug/L	02/14/13	02/14/13	SW6010B
7440-50-8	Copper	44.1		1	2	5	10	ug/L	02/14/13	02/14/13	SW6010B
7439-89-6	Iron	10500		1	20.4	25	50	ug/L	02/14/13	02/14/13	SW6010B
7439-92-1	Lead	22		1	2.6	3	6	ug/L	02/14/13	02/14/13	SW6010B
7439-95-4	Magnesium	17200		1	32.5	500	1000	ug/L	02/14/13	02/14/13	SW6010B
7439-96-5	Manganese	6490		1	1.7	5	10	ug/L	02/14/13	02/14/13	SW6010B
7439-97-6	Mercury	0.1	U	1	0.092	0.1	0.2	ug/L	02/14/13	02/15/13	SW7470A
7440-02-0	Nickel	26.1		1	4.2	10	20	ug/L	02/14/13	02/14/13	SW6010B
7440-09-7	Potassium	6340		1	38.8	500	1000	ug/L	02/14/13	02/14/13	SW6010B
7782-49-2	Selenium	5	U	1	4.8	5	10	ug/L	02/14/13	02/14/13	SW6010B
7440-22-4	Silver	2.5	U	1	1.5	2.5	5	ug/L	02/14/13	02/14/13	SW6010B
7440-23-5	Sodium	20900		1	13.9	500	1000	ug/L	02/14/13	02/14/13	SW6010B
7440-28-0	Thallium	10	U	1	2.4	10	20	ug/L	02/14/13	02/14/13	SW6010B
7440-62-2	Vanadium	6.58	J	1	6.1	10	20	ug/L	02/14/13	02/14/13	SW6010B
7440-66-6	Zinc	154		1	6.5	10	20	ug/L	02/14/13	02/14/13	SW6010B

Color Before:	brown	Clarity Before:	Cloudy	Texture:	
Color After:	yellow	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	GW	SDG No.:	E1297
Lab Sample ID:	E1297-04	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	25	UN	1	6.5	25	50	ug/L	02/14/13	02/14/13	SW6010B
7440-36-0	Antimony	12.5	U	1	8	12.5	25	ug/L	02/14/13	02/14/13	SW6010B
7440-38-2	Arsenic	5	U	1	4.2	5	10	ug/L	02/14/13	02/14/13	SW6010B
7440-39-3	Barium	50		1	4	25	50	ug/L	02/14/13	02/14/13	SW6010B
7440-41-7	Beryllium	1.5	U	1	0.7	1.5	3	ug/L	02/14/13	02/14/13	SW6010B
7440-43-9	Cadmium	1.5	U	1	0.5	1.5	3	ug/L	02/14/13	02/14/13	SW6010B
7440-70-2	Calcium	33200		1	31.8	500	1000	ug/L	02/14/13	02/14/13	SW6010B
7440-47-3	Chromium	2.5	U	1	1.1	2.5	5	ug/L	02/14/13	02/14/13	SW6010B
7440-48-4	Cobalt	9.16	J	1	5.8	7.5	15	ug/L	02/14/13	02/14/13	SW6010B
7440-50-8	Copper	12.7		1	2	5	10	ug/L	02/14/13	02/14/13	SW6010B
7439-89-6	Iron	25	U	1	20.4	25	50	ug/L	02/14/13	02/14/13	SW6010B
7439-92-1	Lead	3	U	1	2.6	3	6	ug/L	02/14/13	02/14/13	SW6010B
7439-95-4	Magnesium	14300		1	32.5	500	1000	ug/L	02/14/13	02/14/13	SW6010B
7439-96-5	Manganese	1170		1	1.7	5	10	ug/L	02/14/13	02/14/13	SW6010B
7439-97-6	Mercury	0.1	U	1	0.092	0.1	0.2	ug/L	02/14/13	02/15/13	SW7470A
7440-02-0	Nickel	11	J	1	4.2	10	20	ug/L	02/14/13	02/14/13	SW6010B
7440-09-7	Potassium	4880		1	38.8	500	1000	ug/L	02/14/13	02/14/13	SW6010B
7782-49-2	Selenium	5	U	1	4.8	5	10	ug/L	02/14/13	02/14/13	SW6010B
7440-22-4	Silver	2.5	U	1	1.5	2.5	5	ug/L	02/14/13	02/14/13	SW6010B
7440-23-5	Sodium	20600		1	13.9	500	1000	ug/L	02/14/13	02/14/13	SW6010B
7440-28-0	Thallium	2.5	J	1	2.4	10	20	ug/L	02/14/13	02/14/13	SW6010B
7440-62-2	Vanadium	10	U	1	6.1	10	20	ug/L	02/14/13	02/14/13	SW6010B
7440-66-6	Zinc	25.2		1	6.5	10	20	ug/L	02/14/13	02/14/13	SW6010B

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	DISSOLVED METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
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OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	1201.75	1260.5	95.3	90 - 110	P	02/14/2013	12:39	LB64845
	Antimony	490.88	497.0	98.8	90 - 110	P	02/14/2013	12:39	LB64845
	Arsenic	498.00	499.5	99.7	90 - 110	P	02/14/2013	12:39	LB64845
	Barium	259.53	251.5	103.2	90 - 110	P	02/14/2013	12:39	LB64845
	Beryllium	235.91	247.5	95.3	90 - 110	P	02/14/2013	12:39	LB64845
	Cadmium	247.73	248.0	99.9	90 - 110	P	02/14/2013	12:39	LB64845
	Calcium	5175.50	5013.0	103.2	90 - 110	P	02/14/2013	12:39	LB64845
	Chromium	245.72	245.0	100.3	90 - 110	P	02/14/2013	12:39	LB64845
	Cobalt	248.63	249.5	99.7	90 - 110	P	02/14/2013	12:39	LB64845
	Copper	253.17	246.0	102.9	90 - 110	P	02/14/2013	12:39	LB64845
	Iron	2513.25	2541.0	98.9	90 - 110	P	02/14/2013	12:39	LB64845
	Lead	505.90	501.0	101.0	90 - 110	P	02/14/2013	12:39	LB64845
	Magnesium	3058.50	3037.0	100.7	90 - 110	P	02/14/2013	12:39	LB64845
	Manganese	245.15	249.5	98.3	90 - 110	P	02/14/2013	12:39	LB64845
	Nickel	250.79	251.5	99.7	90 - 110	P	02/14/2013	12:39	LB64845
	Potassium	5130.00	5010.5	102.4	90 - 110	P	02/14/2013	12:39	LB64845
	Selenium	490.65	501.5	97.8	90 - 110	P	02/14/2013	12:39	LB64845
	Silver	241.68	250.5	96.5	90 - 110	P	02/14/2013	12:39	LB64845
	Sodium	5091.00	5048.5	100.8	90 - 110	P	02/14/2013	12:39	LB64845
	Thallium	513.05	501.5	102.3	90 - 110	P	02/14/2013	12:39	LB64845
	Vanadium	245.68	250.5	98.1	90 - 110	P	02/14/2013	12:39	LB64845
	Zinc	511.30	512.5	99.8	90 - 110	P	02/14/2013	12:39	LB64845
CCV07	Aluminum	4786.45	5000.0	95.7	90 - 110	P	02/14/2013	18:20	LB64845
	Antimony	2419.35	2500.0	96.8	90 - 110	P	02/14/2013	18:20	LB64845
	Arsenic	2424.00	2500.0	97.0	90 - 110	P	02/14/2013	18:20	LB64845
	Barium	5018.00	5000.0	100.4	90 - 110	P	02/14/2013	18:20	LB64845
	Beryllium	121.90	125.0	97.5	90 - 110	P	02/14/2013	18:20	LB64845
	Cadmium	1222.65	1250.0	97.8	90 - 110	P	02/14/2013	18:20	LB64845
	Calcium	12424.50	12500.0	99.4	90 - 110	P	02/14/2013	18:20	LB64845
	Chromium	492.42	500.0	98.5	90 - 110	P	02/14/2013	18:20	LB64845
	Cobalt	1224.45	1250.0	98.0	90 - 110	P	02/14/2013	18:20	LB64845
	Copper	611.85	625.0	97.9	90 - 110	P	02/14/2013	18:20	LB64845

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Iron	2457.35	2500.0	98.3	90 - 110	P	02/14/2013	18:20	LB64845
	Lead	2445.20	2500.0	97.8	90 - 110	P	02/14/2013	18:20	LB64845
	Magnesium	12351.00	12500.0	98.8	90 - 110	P	02/14/2013	18:20	LB64845
	Manganese	1231.60	1250.0	98.5	90 - 110	P	02/14/2013	18:20	LB64845
	Nickel	1214.80	1250.0	97.2	90 - 110	P	02/14/2013	18:20	LB64845
	Potassium	12240.50	12500.0	97.9	90 - 110	P	02/14/2013	18:20	LB64845
	Selenium	2421.95	2500.0	96.9	90 - 110	P	02/14/2013	18:20	LB64845
	Silver	608.70	625.0	97.4	90 - 110	P	02/14/2013	18:20	LB64845
	Sodium	12205.00	12500.0	97.6	90 - 110	P	02/14/2013	18:20	LB64845
	Thallium	2442.80	2500.0	97.7	90 - 110	P	02/14/2013	18:20	LB64845
	Vanadium	1226.35	1250.0	98.1	90 - 110	P	02/14/2013	18:20	LB64845
	Zinc	1251.80	1250.0	100.1	90 - 110	P	02/14/2013	18:20	LB64845
CCV08	Aluminum	4772.10	5000.0	95.4	90 - 110	P	02/14/2013	19:04	LB64845
	Antimony	2383.05	2500.0	95.3	90 - 110	P	02/14/2013	19:04	LB64845
	Arsenic	2390.50	2500.0	95.6	90 - 110	P	02/14/2013	19:04	LB64845
	Barium	5035.00	5000.0	100.7	90 - 110	P	02/14/2013	19:04	LB64845
	Beryllium	122.84	125.0	98.3	90 - 110	P	02/14/2013	19:04	LB64845
	Cadmium	1215.70	1250.0	97.3	90 - 110	P	02/14/2013	19:04	LB64845
	Calcium	12513.50	12500.0	100.1	90 - 110	P	02/14/2013	19:04	LB64845
	Chromium	496.47	500.0	99.3	90 - 110	P	02/14/2013	19:04	LB64845
	Cobalt	1224.65	1250.0	98.0	90 - 110	P	02/14/2013	19:04	LB64845
	Copper	611.05	625.0	97.8	90 - 110	P	02/14/2013	19:04	LB64845
	Iron	2408.45	2500.0	96.3	90 - 110	P	02/14/2013	19:04	LB64845
	Lead	2437.90	2500.0	97.5	90 - 110	P	02/14/2013	19:04	LB64845
	Magnesium	12498.50	12500.0	100.0	90 - 110	P	02/14/2013	19:04	LB64845
	Manganese	1236.90	1250.0	99.0	90 - 110	P	02/14/2013	19:04	LB64845
	Nickel	1209.20	1250.0	96.7	90 - 110	P	02/14/2013	19:04	LB64845
	Potassium	12313.00	12500.0	98.5	90 - 110	P	02/14/2013	19:04	LB64845
	Selenium	2370.70	2500.0	94.8	90 - 110	P	02/14/2013	19:04	LB64845
	Silver	614.75	625.0	98.4	90 - 110	P	02/14/2013	19:04	LB64845
	Sodium	12243.50	12500.0	97.9	90 - 110	P	02/14/2013	19:04	LB64845
	Thallium	2438.25	2500.0	97.5	90 - 110	P	02/14/2013	19:04	LB64845

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Vanadium	1236.65	1250.0	98.9	90 - 110	P	02/14/2013	19:04	LB64845
	Zinc	1219.60	1250.0	97.6	90 - 110	P	02/14/2013	19:04	LB64845
CCV09	Aluminum	4552.85	5000.0	91.1	90 - 110	P	02/14/2013	19:49	LB64845
	Antimony	2291.60	2500.0	91.7	90 - 110	P	02/14/2013	19:49	LB64845
	Arsenic	2308.00	2500.0	92.3	90 - 110	P	02/14/2013	19:49	LB64845
	Barium	4812.85	5000.0	96.3	90 - 110	P	02/14/2013	19:49	LB64845
	Beryllium	117.74	125.0	94.2	90 - 110	P	02/14/2013	19:49	LB64845
	Cadmium	1170.20	1250.0	93.6	90 - 110	P	02/14/2013	19:49	LB64845
	Calcium	12051.00	12500.0	96.4	90 - 110	P	02/14/2013	19:49	LB64845
	Chromium	478.15	500.0	95.6	90 - 110	P	02/14/2013	19:49	LB64845
	Cobalt	1176.95	1250.0	94.2	90 - 110	P	02/14/2013	19:49	LB64845
	Copper	586.75	625.0	93.9	90 - 110	P	02/14/2013	19:49	LB64845
	Iron	2352.95	2500.0	94.1	90 - 110	P	02/14/2013	19:49	LB64845
	Lead	2346.40	2500.0	93.9	90 - 110	P	02/14/2013	19:49	LB64845
	Magnesium	12020.00	12500.0	96.2	90 - 110	P	02/14/2013	19:49	LB64845
	Manganese	1185.50	1250.0	94.8	90 - 110	P	02/14/2013	19:49	LB64845
	Nickel	1165.90	1250.0	93.3	90 - 110	P	02/14/2013	19:49	LB64845
	Potassium	11866.00	12500.0	94.9	90 - 110	P	02/14/2013	19:49	LB64845
	Selenium	2280.65	2500.0	91.2	90 - 110	P	02/14/2013	19:49	LB64845
	Silver	590.70	625.0	94.5	90 - 110	P	02/14/2013	19:49	LB64845
	Sodium	11761.50	12500.0	94.1	90 - 110	P	02/14/2013	19:49	LB64845
	Thallium	2343.65	2500.0	93.7	90 - 110	P	02/14/2013	19:49	LB64845
	Vanadium	1191.25	1250.0	95.3	90 - 110	P	02/14/2013	19:49	LB64845
	Zinc	1184.00	1250.0	94.7	90 - 110	P	02/14/2013	19:49	LB64845
CCV10	Aluminum	4674.10	5000.0	93.5	90 - 110	P	02/14/2013	20:33	LB64845
	Antimony	2369.00	2500.0	94.8	90 - 110	P	02/14/2013	20:33	LB64845
	Arsenic	2375.00	2500.0	95.0	90 - 110	P	02/14/2013	20:33	LB64845
	Barium	4917.80	5000.0	98.4	90 - 110	P	02/14/2013	20:33	LB64845
	Beryllium	119.21	125.0	95.4	90 - 110	P	02/14/2013	20:33	LB64845
	Cadmium	1205.40	1250.0	96.4	90 - 110	P	02/14/2013	20:33	LB64845
	Calcium	12281.50	12500.0	98.3	90 - 110	P	02/14/2013	20:33	LB64845
	Chromium	485.44	500.0	97.1	90 - 110	P	02/14/2013	20:33	LB64845

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Cobalt	1208.70	1250.0	96.7	90 - 110	P	02/14/2013	20:33	LB64845
	Copper	602.20	625.0	96.4	90 - 110	P	02/14/2013	20:33	LB64845
	Iron	2376.10	2500.0	95.0	90 - 110	P	02/14/2013	20:33	LB64845
	Lead	2417.20	2500.0	96.7	90 - 110	P	02/14/2013	20:33	LB64845
	Magnesium	12286.50	12500.0	98.3	90 - 110	P	02/14/2013	20:33	LB64845
	Manganese	1206.50	1250.0	96.5	90 - 110	P	02/14/2013	20:33	LB64845
	Nickel	1203.00	1250.0	96.2	90 - 110	P	02/14/2013	20:33	LB64845
	Potassium	12115.50	12500.0	96.9	90 - 110	P	02/14/2013	20:33	LB64845
	Selenium	2353.15	2500.0	94.1	90 - 110	P	02/14/2013	20:33	LB64845
	Silver	598.40	625.0	95.7	90 - 110	P	02/14/2013	20:33	LB64845
	Sodium	12071.50	12500.0	96.6	90 - 110	P	02/14/2013	20:33	LB64845
	Thallium	2412.00	2500.0	96.5	90 - 110	P	02/14/2013	20:33	LB64845
	Vanadium	1210.55	1250.0	96.8	90 - 110	P	02/14/2013	20:33	LB64845
	Zinc	1215.85	1250.0	97.3	90 - 110	P	02/14/2013	20:33	LB64845

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Mercury	3.78	4.0	94.5	90 - 110	CV	02/15/2013	11:25	LB64849
CCV01	Mercury	5.09	5.0	101.8	90 - 110	CV	02/15/2013	11:29	LB64849
CCV02	Mercury	5.14	5.0	102.8	90 - 110	CV	02/15/2013	11:58	LB64849
CCV03	Mercury	5.12	5.0	102.4	90 - 110	CV	02/15/2013	12:16	LB64849
CCV04	Mercury	5.25	5.0	105.0	90 - 110	CV	02/15/2013	12:28	LB64849

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Mercury	3.84	4.0	96.0	90 - 110	CV	02/14/2013	15:15	LB64835
CCV01	Mercury	5.14	5.0	102.8	90 - 110	CV	02/14/2013	15:19	LB64835
CCV02	Mercury	5.06	5.0	101.2	90 - 110	CV	02/14/2013	15:45	LB64835
CCV03	Mercury	5.09	5.0	101.8	90 - 110	CV	02/14/2013	16:08	LB64835
CCV04	Mercury	5.09	5.0	101.8	90 - 110	CV	02/14/2013	16:16	LB64835

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Initial Calibration Source: PLASMA-PURE

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Mercury	0.23	0.2	115.0	70 - 130	CV	02/14/2013	15:25	LB64835
CRI01	Aluminum	46.36	50.0	92.7	0 - 200	P	02/14/2013	12:45	LB64845
	Antimony	25.13	25.0	100.5	0 - 200	P	02/14/2013	12:45	LB64845
	Arsenic	11.65	10.0	116.5	40 - 160	P	02/14/2013	12:45	LB64845
	Barium	50.82	50.0	101.6	40 - 160	P	02/14/2013	12:45	LB64845
	Beryllium	3.01	3.0	100.3	40 - 160	P	02/14/2013	12:45	LB64845
	Cadmium	3.04	3.0	101.3	40 - 160	P	02/14/2013	12:45	LB64845
	Chromium	4.85	5.0	97.0	40 - 160	P	02/14/2013	12:45	LB64845
	Cobalt	15.24	15.0	101.6	40 - 160	P	02/14/2013	12:45	LB64845
	Copper	10.44	10.0	104.4	40 - 160	P	02/14/2013	12:45	LB64845
	Iron	50.005	50.0	100.01	0 - 200	P	02/14/2013	12:45	LB64845
	Lead	6.73	6.0	112.2	0 - 200	P	02/14/2013	12:45	LB64845
	Manganese	10.47	10.0	104.7	40 - 160	P	02/14/2013	12:45	LB64845
	Nickel	20.77	20.0	103.8	40 - 160	P	02/14/2013	12:45	LB64845
	Selenium	8.56	10.0	85.6	40 - 160	P	02/14/2013	12:45	LB64845
	Silver	5.08	5.0	101.6	40 - 160	P	02/14/2013	12:45	LB64845
	Thallium	22.63	20.0	113.2	0 - 200	P	02/14/2013	12:45	LB64845
	Vanadium	19.88	20.0	99.4	40 - 160	P	02/14/2013	12:45	LB64845
	Zinc	22.32	20.0	111.6	40 - 160	P	02/14/2013	12:45	LB64845
CRI02	Calcium	1047.10	1000.0	104.7	0 - 200	P	02/14/2013	12:49	LB64845
	Magnesium	1052.80	1000.0	105.3	0 - 200	P	02/14/2013	12:49	LB64845
	Potassium	1028.15	1000.0	102.8	0 - 200	P	02/14/2013	12:49	LB64845
	Sodium	1029.30	1000.0	102.9	0 - 200	P	02/14/2013	12:49	LB64845
CRI01	Mercury	0.17	0.2	85.0	70 - 130	CV	02/15/2013	11:33	LB64849

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	02/14/2013	15:17	LB64835
CCB1	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	02/14/2013	15:21	LB64835
CCB02	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	02/14/2013	15:47	LB64835
CCB03	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	02/14/2013	16:10	LB64835
CCB04	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	02/14/2013	16:18	LB64835
ICB01	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	02/14/2013	12:42	LB64845
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	02/14/2013	12:42	LB64845
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	02/14/2013	12:42	LB64845
	Barium	4.0	+/-50.0	U	4.0	50.0	P	02/14/2013	12:42	LB64845
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	02/14/2013	12:42	LB64845
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	02/14/2013	12:42	LB64845
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	02/14/2013	12:42	LB64845
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	02/14/2013	12:42	LB64845
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	02/14/2013	12:42	LB64845
	Copper	2.0	+/-10.0	U	2.0	10.0	P	02/14/2013	12:42	LB64845
	Iron	20.4	+/-50.0	U	20.4	50.0	P	02/14/2013	12:42	LB64845
	Lead	2.6	+/-6.0	U	2.6	6.0	P	02/14/2013	12:42	LB64845
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	02/14/2013	12:42	LB64845
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	02/14/2013	12:42	LB64845
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	02/14/2013	12:42	LB64845
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	02/14/2013	12:42	LB64845
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	02/14/2013	12:42	LB64845
	Silver	1.5	+/-5.0	U	1.5	5.0	P	02/14/2013	12:42	LB64845
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	02/14/2013	12:42	LB64845
	Thallium	3.3	+/-20.0	J	2.4	20.0	P	02/14/2013	12:42	LB64845
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	02/14/2013	12:42	LB64845
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	02/14/2013	12:42	LB64845
CCB07	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	02/14/2013	18:27	LB64845
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	02/14/2013	18:27	LB64845
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	02/14/2013	18:27	LB64845
	Barium	4.0	+/-50.0	U	4.0	50.0	P	02/14/2013	18:27	LB64845
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	02/14/2013	18:27	LB64845
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	02/14/2013	18:27	LB64845
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	02/14/2013	18:27	LB64845
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	02/14/2013	18:27	LB64845
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	02/14/2013	18:27	LB64845

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Copper	2.0	+/-10.0	U	2.0	10.0	P	02/14/2013	18:27	LB64845
	Iron	20.4	+/-50.0	U	20.4	50.0	P	02/14/2013	18:27	LB64845
	Lead	2.6	+/-6.0	U	2.6	6.0	P	02/14/2013	18:27	LB64845
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	02/14/2013	18:27	LB64845
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	02/14/2013	18:27	LB64845
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	02/14/2013	18:27	LB64845
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	02/14/2013	18:27	LB64845
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	02/14/2013	18:27	LB64845
	Silver	1.5	+/-5.0	U	1.5	5.0	P	02/14/2013	18:27	LB64845
	Sodium	30.2	+/-1000.0	J	13.9	1000.0	P	02/14/2013	18:27	LB64845
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	02/14/2013	18:27	LB64845
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	02/14/2013	18:27	LB64845
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	02/14/2013	18:27	LB64845
CCB08	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	02/14/2013	19:11	LB64845
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	02/14/2013	19:11	LB64845
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	02/14/2013	19:11	LB64845
	Barium	4.0	+/-50.0	U	4.0	50.0	P	02/14/2013	19:11	LB64845
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	02/14/2013	19:11	LB64845
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	02/14/2013	19:11	LB64845
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	02/14/2013	19:11	LB64845
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	02/14/2013	19:11	LB64845
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	02/14/2013	19:11	LB64845
	Copper	2.0	+/-10.0	U	2.0	10.0	P	02/14/2013	19:11	LB64845
	Iron	20.4	+/-50.0	U	20.4	50.0	P	02/14/2013	19:11	LB64845
	Lead	2.6	+/-6.0	U	2.6	6.0	P	02/14/2013	19:11	LB64845
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	02/14/2013	19:11	LB64845
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	02/14/2013	19:11	LB64845
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	02/14/2013	19:11	LB64845
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	02/14/2013	19:11	LB64845
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	02/14/2013	19:11	LB64845
	Silver	1.5	+/-5.0	U	1.5	5.0	P	02/14/2013	19:11	LB64845
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	02/14/2013	19:11	LB64845
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	02/14/2013	19:11	LB64845
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	02/14/2013	19:11	LB64845
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	02/14/2013	19:11	LB64845
CCB09	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	02/14/2013	19:56	LB64845
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	02/14/2013	19:56	LB64845
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	02/14/2013	19:56	LB64845
	Barium	4.0	+/-50.0	U	4.0	50.0	P	02/14/2013	19:56	LB64845
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	02/14/2013	19:56	LB64845

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	02/14/2013	19:56	LB64845
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	02/14/2013	19:56	LB64845
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	02/14/2013	19:56	LB64845
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	02/14/2013	19:56	LB64845
	Copper	2.0	+/-10.0	U	2.0	10.0	P	02/14/2013	19:56	LB64845
	Iron	20.4	+/-50.0	U	20.4	50.0	P	02/14/2013	19:56	LB64845
	Lead	2.6	+/-6.0	U	2.6	6.0	P	02/14/2013	19:56	LB64845
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	02/14/2013	19:56	LB64845
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	02/14/2013	19:56	LB64845
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	02/14/2013	19:56	LB64845
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	02/14/2013	19:56	LB64845
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	02/14/2013	19:56	LB64845
	Silver	1.5	+/-5.0	U	1.5	5.0	P	02/14/2013	19:56	LB64845
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	02/14/2013	19:56	LB64845
	Thallium	4.1	+/-20.0	J	2.4	20.0	P	02/14/2013	19:56	LB64845
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	02/14/2013	19:56	LB64845
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	02/14/2013	19:56	LB64845
CCB10	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	02/14/2013	20:40	LB64845
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	02/14/2013	20:40	LB64845
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	02/14/2013	20:40	LB64845
	Barium	4.0	+/-50.0	U	4.0	50.0	P	02/14/2013	20:40	LB64845
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	02/14/2013	20:40	LB64845
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	02/14/2013	20:40	LB64845
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	02/14/2013	20:40	LB64845
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	02/14/2013	20:40	LB64845
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	02/14/2013	20:40	LB64845
	Copper	2.0	+/-10.0	U	2.0	10.0	P	02/14/2013	20:40	LB64845
	Iron	20.4	+/-50.0	U	20.4	50.0	P	02/14/2013	20:40	LB64845
	Lead	2.6	+/-6.0	U	2.6	6.0	P	02/14/2013	20:40	LB64845
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	02/14/2013	20:40	LB64845
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	02/14/2013	20:40	LB64845
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	02/14/2013	20:40	LB64845
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	02/14/2013	20:40	LB64845
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	02/14/2013	20:40	LB64845
	Silver	1.5	+/-5.0	U	1.5	5.0	P	02/14/2013	20:40	LB64845
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	02/14/2013	20:40	LB64845
	Thallium	3.8	+/-20.0	J	2.4	20.0	P	02/14/2013	20:40	LB64845
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	02/14/2013	20:40	LB64845
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	02/14/2013	20:40	LB64845
ICB01	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	02/15/2013	11:27	LB64849

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	02/15/2013	11:31	LB64849
CCB02	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	02/15/2013	12:00	LB64849
CCB03	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	02/15/2013	12:18	LB64849
CCB04	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	02/15/2013	12:30	LB64849

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PREPARATION BLANK SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	MDL mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB68336BL		**SOIL**		**Batch Number:**	**PB68336**			**Prep Date:**	**02/13/2013**	
	Mercury	0.002	<0.010	U	0.002	0.010	CV	02/14/2013	15:31	LB64835
PB68342BL		**SOIL**		**Batch Number:**	**PB68342**			**Prep Date:**	**02/14/2013**	
	Aluminum	0.840	<5.000	U	0.840	5.000	P	02/14/2013	18:30	LB64845
	Antimony	0.560	<2.500	U	0.560	2.500	P	02/14/2013	18:30	LB64845
	Arsenic	0.330	<1.000	U	0.330	1.000	P	02/14/2013	18:30	LB64845
	Barium	0.400	<5.000	U	0.400	5.000	P	02/14/2013	18:30	LB64845
	Beryllium	0.060	<0.300	U	0.060	0.300	P	02/14/2013	18:30	LB64845
	Cadmium	0.060	<0.300	U	0.060	0.300	P	02/14/2013	18:30	LB64845
	Calcium	1.070	<100.000	U	1.070	100.000	P	02/14/2013	18:30	LB64845
	Chromium	0.130	<0.500	U	0.130	0.500	P	02/14/2013	18:30	LB64845
	Cobalt	0.570	<1.500	U	0.570	1.500	P	02/14/2013	18:30	LB64845
	Copper	0.320	<1.000	U	0.320	1.000	P	02/14/2013	18:30	LB64845
	Iron	1.330	<5.000	U	1.330	5.000	P	02/14/2013	18:30	LB64845
	Lead	0.120	<0.600	U	0.120	0.600	P	02/14/2013	18:30	LB64845
	Magnesium	4.580	<100.000	U	4.580	100.000	P	02/14/2013	18:30	LB64845
	Manganese	0.190	<1.000	U	0.190	1.000	P	02/14/2013	18:30	LB64845
	Nickel	0.460	<2.000	U	0.460	2.000	P	02/14/2013	18:30	LB64845
	Potassium	3.500	<100.000	U	3.500	100.000	P	02/14/2013	18:30	LB64845
	Selenium	0.410	<1.000	U	0.410	1.000	P	02/14/2013	18:30	LB64845
	Silver	0.150	<0.500	U	0.150	0.500	P	02/14/2013	18:30	LB64845
	Sodium	3.302	<100.000	J	2.520	100.000	P	02/14/2013	18:30	LB64845
	Thallium	0.270	<2.000	U	0.270	2.000	P	02/14/2013	18:30	LB64845
	Vanadium	0.590	<2.000	U	0.590	2.000	P	02/14/2013	18:30	LB64845
	Zinc	0.700	<2.000	U	0.700	2.000	P	02/14/2013	18:30	LB64845
PB68343BL		**WATER**		**Batch Number:**	**PB68343**			**Prep Date:**	**02/14/2013**	
	Aluminum	6.500	<50.000	U	6.500	50.000	P	02/14/2013	19:59	LB64845
	Antimony	8.000	<25.000	U	8.000	25.000	P	02/14/2013	19:59	LB64845
	Arsenic	4.200	<10.000	U	4.200	10.000	P	02/14/2013	19:59	LB64845
	Barium	4.000	<50.000	U	4.000	50.000	P	02/14/2013	19:59	LB64845
	Beryllium	0.700	<3.000	U	0.700	3.000	P	02/14/2013	19:59	LB64845
	Cadmium	0.500	<3.000	U	0.500	3.000	P	02/14/2013	19:59	LB64845
	Calcium	31.800	<1000.000	U	31.800	1000.000	P	02/14/2013	19:59	LB64845
	Chromium	1.100	<5.000	U	1.100	5.000	P	02/14/2013	19:59	LB64845
	Cobalt	5.800	<15.000	U	5.800	15.000	P	02/14/2013	19:59	LB64845
	Copper	2.000	<10.000	U	2.000	10.000	P	02/14/2013	19:59	LB64845
	Iron	20.400	<50.000	U	20.400	50.000	P	02/14/2013	19:59	LB64845
	Lead	2.600	<6.000	U	2.600	6.000	P	02/14/2013	19:59	LB64845

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Metals
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PREPARATION BLANK SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	MDL ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
	Magnesium	32.500	<1000.000	U	32.500	1000.000	P	02/14/2013	19:59	LB64845
	Manganese	1.700	<10.000	U	1.700	10.000	P	02/14/2013	19:59	LB64845
	Nickel	4.200	<20.000	U	4.200	20.000	P	02/14/2013	19:59	LB64845
	Potassium	38.800	<1000.000	U	38.800	1000.000	P	02/14/2013	19:59	LB64845
	Selenium	4.800	<10.000	U	4.800	10.000	P	02/14/2013	19:59	LB64845
	Silver	1.500	<5.000	U	1.500	5.000	P	02/14/2013	19:59	LB64845
	Sodium	13.900	<1000.000	U	13.900	1000.000	P	02/14/2013	19:59	LB64845
	Thallium	2.400	<20.000	U	2.400	20.000	P	02/14/2013	19:59	LB64845
	Vanadium	6.100	<20.000	U	6.100	20.000	P	02/14/2013	19:59	LB64845
	Zinc	6.500	<20.000	U	6.500	20.000	P	02/14/2013	19:59	LB64845

PB68351BL **WATER** **Batch Number:** **PB68351** **Prep Date:** **02/14/2013**

	Mercury	0.092	<0.200	U	0.092	0.200	CV	02/15/2013	11:39	LB64849

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	118000	122050	96.7	80 - 120%	02/14/2013	12:52	LB64845
	Antimony	-7.9				02/14/2013	12:52	LB64845
	Arsenic	3.2				02/14/2013	12:52	LB64845
	Barium	1.0	1	100.0	-9900 - 10100%	02/14/2013	12:52	LB64845
	Beryllium	-0.15				02/14/2013	12:52	LB64845
	Cadmium	-1.8				02/14/2013	12:52	LB64845
	Calcium	115000	117450	97.9	80 - 120%	02/14/2013	12:52	LB64845
	Chromium	18.0	22	83.7	77 - 123%	02/14/2013	12:52	LB64845
	Cobalt	2.0	2	100.0	-1150 - 1350%	02/14/2013	12:52	LB64845
	Copper	12.9	12	112.2	-9 - 209%	02/14/2013	12:52	LB64845
	Iron	45900	47800	96.0	80 - 120%	02/14/2013	12:52	LB64845
	Lead	4.9	5	98.0	0 - 200%	02/14/2013	12:52	LB64845
	Magnesium	118000	123750	95.4	80 - 120%	02/14/2013	12:52	LB64845
	Manganese	9.7	10	102.1	21 - 179%	02/14/2013	12:52	LB64845
	Nickel	9.3	11	88.6	-90 - 290%	02/14/2013	12:52	LB64845
	Potassium	15.2				02/14/2013	12:52	LB64845
	Selenium	-3.9				02/14/2013	12:52	LB64845
	Silver	-3.0				02/14/2013	12:52	LB64845
	Sodium	199				02/14/2013	12:52	LB64845
	Thallium	3.3				02/14/2013	12:52	LB64845
	Vanadium	-1.3				02/14/2013	12:52	LB64845
	Zinc	11.4				02/14/2013	12:52	LB64845
ICSAB01	Aluminum	123000	120550	102.0	80 - 120%	02/14/2013	12:56	LB64845
	Antimony	286	295	97.1	80 - 120%	02/14/2013	12:56	LB64845
	Arsenic	56.7	51	112.3	80 - 120%	02/14/2013	12:56	LB64845
	Barium	247	248	99.8	60 - 140%	02/14/2013	12:56	LB64845
	Beryllium	246	238	103.6	80 - 120%	02/14/2013	12:56	LB64845
	Cadmium	482	470	102.6	80 - 120%	02/14/2013	12:56	LB64845
	Calcium	120000	115550	103.9	80 - 120%	02/14/2013	12:56	LB64845
	Chromium	253	256	99.0	80 - 120%	02/14/2013	12:56	LB64845
	Cobalt	243	231	105.4	80 - 120%	02/14/2013	12:56	LB64845
	Copper	252	274	92.0	80 - 120%	02/14/2013	12:56	LB64845
	Iron	47300	47400	99.8	80 - 120%	02/14/2013	12:56	LB64845
	Lead	32.4	31	106.2	80 - 120%	02/14/2013	12:56	LB64845
	Magnesium	123000	125550	98.0	80 - 120%	02/14/2013	12:56	LB64845
	Manganese	244	251	97.2	80 - 120%	02/14/2013	12:56	LB64845
	Nickel	487	492	99.0	80 - 120%	02/14/2013	12:56	LB64845
	Potassium	1.8				02/14/2013	12:56	LB64845
	Selenium	24.9	27	94.0	34 - 166%	02/14/2013	12:56	LB64845
	Silver	95.5	103	92.7	80 - 120%	02/14/2013	12:56	LB64845
	Sodium	227				02/14/2013	12:56	LB64845
	Thallium	55.4	52	107.6	76 - 124%	02/14/2013	12:56	LB64845
	Vanadium	233	247	94.3	80 - 120%	02/14/2013	12:56	LB64845
	Zinc	479	514	93.2	80 - 120%	02/14/2013	12:56	LB64845

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Sustainable Management LLC **level:** low **sdg no.:** E1297

contract: SUST01 **lab code:** CHEM **case no.:** E1297 **sas no.:** E1297

matrix: SOIL **sample id:** E1288-01 **client id:** SB-1-1S

Percent Solids for Sample: 85 **Spiked ID:** E1288-01S **Percent Solids for Spike Sample:** 85

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	10 - 240	9229.7450		9601.6880		110.99	-335.1		P
Antimony	mg/Kg	47 - 131	10.1254		0.6215	U	44.40	22.8	N	P
Arsenic	mg/Kg	73 - 117	39.3174		1.8412		44.40	84.4		P
Barium	mg/Kg	39 - 158	103.9345		101.7990		11.10	19.2		P
Beryllium	mg/Kg	79 - 112	9.3740		0.4257		11.10	80.6		P
Cadmium	mg/Kg	73 - 114	11.8124		0.0666	U	11.10	106.4		P
Calcium	mg/Kg	10 - 194	2659.6560		5261.1980		55.49	-4688.3		P
Chromium	mg/Kg	68 - 122	37.6432		17.5642		22.20	90.4		P
Cobalt	mg/Kg	68 - 119	25.4007		11.8259		11.10	122.3	N	P
Copper	mg/Kg	59 - 132	20.4356		7.9388		16.65	75.1		P
Iron	mg/Kg	10 - 289	26987.2400		26258.5100		166.48	437.7		P
Lead	mg/Kg	66 - 125	77.4195		14.1878		55.49	114.0		P
Magnesium	mg/Kg	10 - 208	5449.2240		5336.8500		110.99	101.2		P
Manganese	mg/Kg	10 - 205	433.8291		467.4070		11.10	-302.5		P
Nickel	mg/Kg	64 - 129	61.6815		29.7003		27.75	115.2		P
Potassium	mg/Kg	37 - 158	2700.0560		2030.4410		554.94	120.7		P
Selenium	mg/Kg	69 - 105	89.4562		0.4551	U	110.99	80.6		P
Silver	mg/Kg	54 - 131	2.7259		0.1665	U	4.16	65.5		P
Sodium	mg/Kg	10 - 139	227.6249		75.6265	J	166.48	91.3		P
Thallium	mg/Kg	74 - 116	124.3119		1.2973	J	110.99	110.8		P
Vanadium	mg/Kg	67 - 127	33.6054		19.9752		16.65	81.9		P
Zinc	mg/Kg	67 - 127	74.4229		60.9813		11.10	121.1		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Sustainable Management LLC **level:** low **sdg no.:** E1297

contract: SUST01 **lab code:** CHEM **case no.:** E1297 **sas no.:** E1297

matrix: SOIL **sample id:** E1288-01 **client id:** SB-1-1SD

Percent Solids for Sample: 85 **Spiked ID:** E1288-01SD **Percent Solids for Spike Sample:** 85

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	10 - 240	8254.8180		9601.6880		100.13	-1345.1		P
Antimony	mg/Kg	47 - 131	8.8305		0.5607	U	40.05	22.0	N	P
Arsenic	mg/Kg	73 - 117	33.9675		1.8412		40.05	80.2		P
Barium	mg/Kg	39 - 158	91.4143		101.7990		10.01	-103.7		P
Beryllium	mg/Kg	79 - 112	8.4045		0.4257		10.01	79.7		P
Cadmium	mg/Kg	73 - 114	9.9725		0.0601	U	10.01	99.6		P
Calcium	mg/Kg	10 - 194	2344.1300		5261.1980		50.06	-5827.1		P
Chromium	mg/Kg	68 - 122	33.7567		17.5642		20.03	80.8		P
Cobalt	mg/Kg	68 - 119	21.6355		11.8259		10.01	98.0		P
Copper	mg/Kg	59 - 132	17.5685		7.9388		15.02	64.1		P
Iron	mg/Kg	10 - 289	23472.8400		26258.5100		150.19	-1854.8		P
Lead	mg/Kg	66 - 125	66.1577		14.1878		50.06	103.8		P
Magnesium	mg/Kg	10 - 208	4806.1080		5336.8500		100.13	-530.1		P
Manganese	mg/Kg	10 - 205	391.9800		467.4070		10.01	-753.5		P
Nickel	mg/Kg	64 - 129	52.6458		29.7003		25.03	91.7		P
Potassium	mg/Kg	37 - 158	2374.0680		2030.4410		500.63	68.6		P
Selenium	mg/Kg	69 - 105	77.3016		0.4105	U	100.13	77.2		P
Silver	mg/Kg	54 - 131	2.3635		0.1502	U	3.75	63.0		P
Sodium	mg/Kg	10 - 139	201.8523		75.6265	J	150.19	84.0		P
Thallium	mg/Kg	74 - 116	106.2478		1.2973	J	100.13	104.8		P
Vanadium	mg/Kg	67 - 127	30.1452		19.9752		15.02	67.7		P
Zinc	mg/Kg	67 - 127	64.3254		60.9813		10.01	33.4		P

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metals
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MATRIX SPIKE SUMMARY

client: Sustainable Management LLC **level:** low **sdg no.:** E1297

contract: SUST01 **lab code:** CHEM **case no.:** E1297 **sas no.:** E1297

matrix: SOIL **sample id:** E1288-02 **client id:** SB-1-2S

Percent Solids for Sample: 91.9 **Spiked ID:** E1288-02S **Percent Solids for Spike Sample:** 91.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	34 - 153	0.2187		0.0022	U	0.22	99.4		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Sustainable Management LLC **level:** low **sdg no.:** E1297

contract: SUST01 **lab code:** CHEM **case no.:** E1297 **sas no.:** E1297

matrix: SOIL **sample id:** E1288-02 **client id:** SB-1-2SD

Percent Solids for Sample: 91.9 **Spiked ID:** E1288-02SD **Percent Solids for Spike Sample:** 91.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	34 - 153	0.2242		0.0022	U	0.22	101.9		CV

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metals
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MATRIX SPIKE SUMMARY

client: Sustainable Management LLC **level:** low **sdg no.:** E1297

contract: SUST01 **lab code:** CHEM **case no.:** E1297 **sas no.:** E1297

matrix: WATER **sample id:** E1288-14 **client id:** MW-3S

Percent Solids for Sample: 0 **Spiked ID:** E1288-14S **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	49 - 128	3.9585		0.0915	U	4.00	99.0		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Sustainable Management LLC **level:** low **sdg no.:** E1297

contract: SUST01 **lab code:** CHEM **case no.:** E1297 **sas no.:** E1297

matrix: WATER **sample id:** E1288-14 **client id:** MW-3SD

Percent Solids for Sample: 0 **Spiked ID:** E1288-14SD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	49 - 128	4.0208		0.0915	U	4.00	100.5		CV

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metals
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MATRIX SPIKE SUMMARY

client: Sustainable Management LLC **level:** low **sdg no.:** E1297

contract: SUST01 **lab code:** CHEM **case no.:** E1297 **sas no.:** E1297

matrix: WATER **sample id:** E1297-03 **client id:** GWS

Percent Solids for Sample: 0 **Spiked ID:** E1297-03S **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	64 - 129	5126.0000		3526.9000		1000.00	159.9	N	P
Antimony	ug/L	74 - 115	388.1700		8.0000	U	400.00	97.0		P
Arsenic	ug/L	78 - 117	359.1000		4.2000	U	400.00	89.8		P
Barium	ug/L	81 - 124	382.8000		288.3850		100.00	94.4		P
Beryllium	ug/L	77 - 116	87.6400		0.7000	U	100.00	87.6		P
Cadmium	ug/L	72 - 121	88.6500		0.5000	U	100.00	88.6		P
Calcium	ug/L	10 - 236	40931.0000		41062.0000		500.00	-26.2		P
Chromium	ug/L	75 - 117	187.8650		9.4150		200.00	89.2		P
Cobalt	ug/L	74 - 116	123.7900		33.2950		100.00	90.5		P
Copper	ug/L	75 - 111	181.9150		44.0700		150.00	91.9		P
Iron	ug/L	27 - 152	13000.0000		10477.5000		1500.00	168.2		P
Lead	ug/L	74 - 119	464.9000		22.0150		500.00	88.6		P
Magnesium	ug/L	10 - 185	17920.5000		17155.5000		1000.00	76.5		P
Manganese	ug/L	10 - 168	6937.0000		6488.0000		100.00	449.0		P
Nickel	ug/L	75 - 118	248.4250		26.1000		250.00	88.9		P
Potassium	ug/L	41 - 167	10890.5000		6339.5000		5000.00	91.0		P
Selenium	ug/L	71 - 107	860.9000		4.8000	U	1000.00	86.1		P
Silver	ug/L	77 - 122	31.0050		1.5000	U	37.50	82.7		P
Sodium	ug/L	10 - 194	22005.5000		20920.0000		1500.00	72.4		P
Thallium	ug/L	76 - 124	878.5500		2.4000	U	1000.00	87.9		P
Vanadium	ug/L	78 - 113	139.5100		6.5850	J	150.00	88.6		P
Zinc	ug/L	62 - 116	244.7800		153.5600		100.00	91.2		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Sustainable Management LLC **level:** low **sdg no.:** E1297

contract: SUST01 **lab code:** CHEM **case no.:** E1297 **sas no.:** E1297

matrix: WATER **sample id:** E1297-03 **client id:** GWSD

Percent Solids for Sample: 0 **Spiked ID:** E1297-03SD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	64 - 129	5101.0000		3526.9000		1000.00	157.4	N	P
Antimony	ug/L	74 - 115	381.8450		8.0000	U	400.00	95.5		P
Arsenic	ug/L	78 - 117	349.9500		4.2000	U	400.00	87.5		P
Barium	ug/L	81 - 124	381.0700		288.3850		100.00	92.7		P
Beryllium	ug/L	77 - 116	87.1550		0.7000	U	100.00	87.2		P
Cadmium	ug/L	72 - 121	87.3200		0.5000	U	100.00	87.3		P
Calcium	ug/L	10 - 236	40657.5000		41062.0000		500.00	-80.9		P
Chromium	ug/L	75 - 117	187.1250		9.4150		200.00	88.9		P
Cobalt	ug/L	74 - 116	122.3000		33.2950		100.00	89.0		P
Copper	ug/L	75 - 111	179.7550		44.0700		150.00	90.5		P
Iron	ug/L	27 - 152	12855.5000		10477.5000		1500.00	158.5		P
Lead	ug/L	74 - 119	458.3750		22.0150		500.00	87.3		P
Magnesium	ug/L	10 - 185	17850.5000		17155.5000		1000.00	69.5		P
Manganese	ug/L	10 - 168	6842.0000		6488.0000		100.00	354.0		P
Nickel	ug/L	75 - 118	245.3950		26.1000		250.00	87.7		P
Potassium	ug/L	41 - 167	10834.0000		6339.5000		5000.00	89.9		P
Selenium	ug/L	71 - 107	842.2500		4.8000	U	1000.00	84.2		P
Silver	ug/L	77 - 122	31.0700		1.5000	U	37.50	82.9		P
Sodium	ug/L	10 - 194	21890.5000		20920.0000		1500.00	64.7		P
Thallium	ug/L	76 - 124	869.2500		2.4000	U	1000.00	86.9		P
Vanadium	ug/L	78 - 113	138.9100		6.5850	J	150.00	88.2		P
Zinc	ug/L	62 - 116	240.5850		153.5600		100.00	87.0		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Matrix: WATER **Level:** LOW **Client ID:** SB-1-1A

Sample ID: E1288-01 **Spiked ID:** E1288-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	47 - 131	223.46		8.00	U	400.0	55.9		P
Cobalt	ug/L	68 - 119	203.60		112.08		100.0	91.5		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Matrix: WATER **Level:** LOW **Client ID:** GWA

Sample ID: E1297-03 **Spiked ID:** E1297-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	64 - 129	4532.90		3526.90		1000.0	100.6		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Sustainable Management LLC **Level:** LOW **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Matrix: SOIL **Sample ID:** E1288-01 **Client ID:** SB-1-1D

Percent Solids for Sample: 85 **Duplicate ID** E1288-01D **Percent Solids for Spike Sample:** 85

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9601.6880		9958.3450		3.6		P
Antimony	mg/Kg	20	0.6305	U	0.6305	U			P
Arsenic	mg/Kg	20	1.8412		1.9082		3.6		P
Barium	mg/Kg	20	101.7990		105.8598		3.9		P
Beryllium	mg/Kg	20	0.4257		0.4284		0.6		P
Cadmium	mg/Kg	20	0.0675	U	0.0675	U			P
Calcium	mg/Kg	20	5261.1980		5471.8270		3.9		P
Chromium	mg/Kg	20	17.5642		18.3304		4.3		P
Cobalt	mg/Kg	20	11.8259		12.2803		3.8		P
Copper	mg/Kg	20	7.9388		8.4222		5.9		P
Iron	mg/Kg	20	26258.5100		27213.6300		3.6		P
Lead	mg/Kg	20	14.1878		14.4790		2.0		P
Magnesium	mg/Kg	20	5336.8500		5529.5240		3.5		P
Manganese	mg/Kg	20	467.4070		488.0777		4.3		P
Nickel	mg/Kg	20	29.7003		30.7943		3.6		P
Potassium	mg/Kg	20	2030.4410		2105.8820		3.6		P
Selenium	mg/Kg	20	0.4616	U	0.4616	U			P
Silver	mg/Kg	20	0.1689	U	0.1689	U			P
Sodium	mg/Kg	20	75.6265	J	80.7712	J	6.6		P
Thallium	mg/Kg	20	1.2973	J	1.2682	J	2.3		P
Vanadium	mg/Kg	20	19.9752		20.8072		4.1		P
Zinc	mg/Kg	20	60.9813		63.3831		3.9		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Sustainable Management LLC **Level:** LOW **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Matrix: SOIL **Sample ID:** E1288-01 **Client ID:** SB-1-1SD

Percent Solids for Sample: 85 **Duplicate ID** E1288-01SD **Percent Solids for Spike Sample:** 85

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9229.7450		8254.8180		11.2		P
Antimony	mg/Kg	20	10.1254		8.8305		13.7		P
Arsenic	mg/Kg	20	39.3174		33.9675		14.6		P
Barium	mg/Kg	20	103.9345		91.4143		12.8		P
Beryllium	mg/Kg	20	9.3740		8.4045		10.9		P
Cadmium	mg/Kg	20	11.8124		9.9725		16.9		P
Calcium	mg/Kg	20	2659.6560		2344.1300		12.6		P
Chromium	mg/Kg	20	37.6432		33.7567		10.9		P
Cobalt	mg/Kg	20	25.4007		21.6355		16.0		P
Copper	mg/Kg	20	20.4356		17.5685		15.1		P
Iron	mg/Kg	20	26987.2400		23472.8400		13.9		P
Lead	mg/Kg	20	77.4195		66.1577		15.7		P
Magnesium	mg/Kg	20	5449.2230		4806.1080		12.5		P
Manganese	mg/Kg	20	433.8291		391.9800		10.1		P
Nickel	mg/Kg	20	61.6815		52.6458		15.8		P
Potassium	mg/Kg	20	2700.0560		2374.0680		12.8		P
Selenium	mg/Kg	20	89.4562		77.3016		14.6		P
Silver	mg/Kg	20	2.7259		2.3635		14.2		P
Sodium	mg/Kg	20	227.6249		201.8523		12.0		P
Thallium	mg/Kg	20	124.3119		106.2478		15.7		P
Vanadium	mg/Kg	20	33.6054		30.1452		10.9		P
Zinc	mg/Kg	20	74.4229		64.3254		14.6		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Sustainable Management LLC **Level:** LOW **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Matrix: SOIL **Sample ID:** E1288-02 **Client ID:** SB-1-2D

Percent Solids for Sample: 91.9 **Duplicate ID** E1288-02D **Percent Solids for Spike Sample:** 91.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.0022	U	0.0022	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Sustainable Management LLC **Level:** LOW **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Matrix: SOIL **Sample ID:** E1288-02 **Client ID:** SB-1-2SD

Percent Solids for Sample: 91.9 **Duplicate ID** E1288-02SD **Percent Solids for Spike Sample:** 91.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.2187		0.2242		2.5		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Sustainable Management LLC **Level:** LOW **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Matrix: WATER **Sample ID:** E1288-14 **Client ID:** MW-3D

Percent Solids for Sample: 0 **Duplicate ID** E1288-14D **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.0915	U	0.0915	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Sustainable Management LLC **Level:** LOW **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Matrix: WATER **Sample ID:** E1288-14 **Client ID:** MW-3SD

Percent Solids for Sample: 0 **Duplicate ID** E1288-14SD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.9585		4.0208		1.6		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Sustainable Management LLC **Level:** LOW **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Matrix: WATER **Sample ID:** E1297-03 **Client ID:** GWD

Percent Solids for Sample: 0 **Duplicate ID** E1297-03D **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	3526.9000		3522.7500		0.1		P
Antimony	ug/L	20	8.0000	U	8.0000	U			P
Arsenic	ug/L	20	4.2000	U	4.2000	U			P
Barium	ug/L	20	288.3850		273.7250		5.2		P
Beryllium	ug/L	20	0.7000	U	0.7000	U			P
Cadmium	ug/L	20	0.5000	U	0.5000	U			P
Calcium	ug/L	20	41062.0000		39047.0000		5.0		P
Chromium	ug/L	20	9.4150		9.6500		2.5		P
Cobalt	ug/L	20	33.2950		33.8250		1.6		P
Copper	ug/L	20	44.0700		44.8950		1.9		P
Iron	ug/L	20	10477.5000		10229.5000		2.4		P
Lead	ug/L	20	22.0150		23.1750		5.1		P
Magnesium	ug/L	20	17155.5000		16222.5000		5.6		P
Manganese	ug/L	20	6488.0000		6410.0000		1.2		P
Nickel	ug/L	20	26.1000		27.0550		3.6		P
Potassium	ug/L	20	6339.5000		5994.5000		5.6		P
Selenium	ug/L	20	4.8000	U	4.8000	U			P
Silver	ug/L	20	1.5000	U	1.5000	U			P
Sodium	ug/L	20	20920.0000		19866.5000		5.2		P
Thallium	ug/L	20	2.4000	U	2.4000	U			P
Vanadium	ug/L	20	6.5850	J	6.3800	J	3.2		P
Zinc	ug/L	20	153.5600		150.8650		1.8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Sustainable Management LLC **Level:** LOW **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Matrix: WATER **Sample ID:** E1297-03 **Client ID:** GWSD

Percent Solids for Sample: 0 **Duplicate ID** E1297-03SD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	5126.0000		5101.0000		0.5		P
Antimony	ug/L	20	388.1700		381.8450		1.6		P
Arsenic	ug/L	20	359.1000		349.9500		2.6		P
Barium	ug/L	20	382.8000		381.0700		0.5		P
Beryllium	ug/L	20	87.6400		87.1550		0.6		P
Cadmium	ug/L	20	88.6500		87.3200		1.5		P
Calcium	ug/L	20	40931.0000		40657.5000		0.7		P
Chromium	ug/L	20	187.8650		187.1250		0.4		P
Cobalt	ug/L	20	123.7900		122.3000		1.2		P
Copper	ug/L	20	181.9150		179.7550		1.2		P
Iron	ug/L	20	13000.0000		12855.5000		1.1		P
Lead	ug/L	20	464.9000		458.3750		1.4		P
Magnesium	ug/L	20	17920.5000		17850.5000		0.4		P
Manganese	ug/L	20	6937.0000		6842.0000		1.4		P
Nickel	ug/L	20	248.4250		245.3950		1.2		P
Potassium	ug/L	20	10890.5000		10834.0000		0.5		P
Selenium	ug/L	20	860.9000		842.2500		2.2		P
Silver	ug/L	20	31.0050		31.0700		0.2		P
Sodium	ug/L	20	22005.5000		21890.5000		0.5		P
Thallium	ug/L	20	878.5500		869.2500		1.1		P
Vanadium	ug/L	20	139.5100		138.9100		0.4		P
Zinc	ug/L	20	244.7800		240.5850		1.7		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB68336BS							
Mercury	mg/Kg	0.200	0.201		100.5	73 - 121	CV

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB68342BS							
Aluminum	mg/Kg	100.0	85.0		85.0	76 - 118	P
Antimony	mg/Kg	40.0	37.5		93.8	81 - 112	P
Arsenic	mg/Kg	40.0	37.7		94.2	82 - 112	P
Barium	mg/Kg	10.0	9.6		96.0	83 - 118	P
Beryllium	mg/Kg	10.0	8.9		89.0	84 - 113	P
Cadmium	mg/Kg	10.0	9.4		94.0	82 - 117	P
Calcium	mg/Kg	50.0	49.0	J	98.0	78 - 138	P
Chromium	mg/Kg	20.0	18.7		93.5	84 - 115	P
Cobalt	mg/Kg	10.0	9.3		93.0	84 - 114	P
Copper	mg/Kg	15.0	14.3		95.3	80 - 115	P
Iron	mg/Kg	150.0	138.1		92.1	78 - 109	P
Lead	mg/Kg	50.0	46.7		93.4	82 - 117	P
Magnesium	mg/Kg	100.0	94.4	J	94.4	80 - 121	P
Manganese	mg/Kg	10.0	9.3		93.0	84 - 114	P
Nickel	mg/Kg	25.0	23.4		93.6	85 - 118	P
Potassium	mg/Kg	500.0	471.1		94.2	67 - 116	P
Selenium	mg/Kg	100.0	95.8		95.8	74 - 110	P
Silver	mg/Kg	3.8	3.3		88.0	81 - 123	P
Sodium	mg/Kg	150.0	142.5		95.0	70 - 135	P
Thallium	mg/Kg	100.0	91.4		91.4	86 - 119	P
Vanadium	mg/Kg	15.0	13.7		91.3	84 - 113	P
Zinc	mg/Kg	10.0	9.2		92.0	88 - 127	P

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Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB68343BS							
Aluminum	ug/L	1000.0	910.50		91.0	81 - 117	P
Antimony	ug/L	400.0	385.56		96.4	79 - 114	P
Arsenic	ug/L	400.0	390.05		97.5	82 - 113	P
Barium	ug/L	100.0	100.99		101.0	83 - 118	P
Beryllium	ug/L	100.0	98.22		98.2	84 - 115	P
Cadmium	ug/L	100.0	97.96		98.0	82 - 119	P
Calcium	ug/L	500.0	522.25	J	104.4	10 - 129	P
Chromium	ug/L	200.0	199.09		99.5	83 - 118	P
Cobalt	ug/L	100.0	97.49		97.5	82 - 118	P
Copper	ug/L	150.0	149.07		99.4	80 - 115	P
Iron	ug/L	1500.0	1456.85		97.1	79 - 112	P
Lead	ug/L	500.0	490.20		98.0	83 - 119	P
Magnesium	ug/L	1000.0	1012.95		101.3	10 - 123	P
Manganese	ug/L	100.0	98.03		98.0	10 - 115	P
Nickel	ug/L	250.0	245.74		98.3	84 - 123	P
Potassium	ug/L	5000.0	4954.10		99.1	67 - 121	P
Selenium	ug/L	1000.0	982.15		98.2	75 - 108	P
Silver	ug/L	37.5	34.55		92.1	81 - 126	P
Sodium	ug/L	1500.0	1479.00		98.6	10 - 165	P
Thallium	ug/L	1000.0	958.05		95.8	86 - 122	P
Vanadium	ug/L	150.0	145.44		97.0	84 - 114	P
Zinc	ug/L	100.0	102.11		102.1	89 - 126	P

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Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB68351BS							
Mercury	ug/L	4.000	3.918		98.0	67 - 127	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

SB-1-1L

Lab Name: Chemtech Consulting Group **Contract:** SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG No.:** E1297

Matrix (soil/water): WATER **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	91000.00		98252.50		8.0		P
Antimony	8.00	U	40.00	U			P
Arsenic	17.45		29.00	J	66.2		P
Barium	964.80		1088.98		12.9		P
Beryllium	4.04		4.40	J	8.9		P
Cadmium	0.50	U	2.50	U			P
Calcium	49863.00		58070.00		16.5		P
Chromium	166.47		190.98		14.7		P
Cobalt	112.08		100.03		10.8		P
Copper	75.24		110.43		46.8		P
Iron	248865.00		237280.00		4.7		P
Lead	134.47		129.90		3.4		P
Magnesium	50580.00		57820.00		14.3		P
Manganese	4429.85		5467.75		23.4		P
Nickel	281.49		252.78		10.2		P
Potassium	19243.50		21607.75		12.3		P
Selenium	4.80	U	24.00	U			P
Silver	1.50	U	7.50	U			P
Sodium	716.75	J	1054.43	J	47.1		P
Thallium	12.30	J	29.33	J	138.5		P
Vanadium	189.32		220.60		16.5		P
Zinc	577.95		562.63		2.7		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

SB-1-2L

Lab Name: Chemtech Consulting Group **Contract:** SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG No.:** E1297

Matrix (soil/water): WATER **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.09	U	0.46	U			CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-3L

Lab Name: Chemtech Consulting Group **Contract:** SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG No.:** E1297

Matrix (soil/water): WATER **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.09	U	0.46	U			CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

GWL

Lab Name: Chemtech Consulting Group **Contract:** SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG No.:** E1297

Matrix (soil/water): WATER **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	3526.90		3254.75		7.7		P
Antimony	8.00	U	40.00	U			P
Arsenic	4.20	U	21.00	U			P
Barium	288.39		266.13		7.7		P
Beryllium	0.70	U	3.50	U			P
Cadmium	0.50	U	2.50	U			P
Calcium	41062.00		38957.50		5.1		P
Chromium	9.42		7.43	J	21.1		P
Cobalt	33.30		31.35	J	5.9		P
Copper	44.07		42.85	J	2.8		P
Iron	10477.50		9780.00		6.7		P
Lead	22.02		25.20	J	14.4		P
Magnesium	17155.50		16208.25		5.5		P
Manganese	6488.00		6750.50		4.0		P
Nickel	26.10		26.25	J	0.6		P
Potassium	6339.50		5900.00		6.9		P
Selenium	4.80	U	24.00	U			P
Silver	1.50	U	7.50	U			P
Sodium	20920.00		19663.25		6.0		P
Thallium	2.40	U	12.00	U			P
Vanadium	6.59	J	30.50	U	100.0		P
Zinc	153.56		135.58		11.7		P

METAL PREPARATION & INSTRUMENT DATA

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METHOD DETECTION LIMITS

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Instrument ID: CV1 **Date:** 01/15/2009 **Preparation Method:**

Analyte	Wave- length (nm)	MDL ug/L	CRQL ug/L	Date: 01/15/2009
Matrix Category: LIQUID				
Mercury	253.70	0.0915	0.2000	
Aluminum	308.22	13.00	100.0	
Antimony	206.83	16.00	50.0	
Arsenic	189.04	8.40	20.0	
Barium	493.41	8.00	100.0	
Beryllium	234.86	1.40	6.0	
Cadmium	226.50	1.00	6.0	
Calcium	373.69	63.60	2000.0	
Chromium	267.72	2.20	10.0	
Cobalt	228.62	11.60	30.0	
Copper	224.70	4.00	20.0	
Iron	240.48	40.80	100.0	
Lead	220.35	5.20	12.0	
Magnesium	279.08	65.00	2000.0	
Manganese	257.61	3.40	20.0	
Nickel	231.60	8.40	40.0	
Potassium	766.49	77.60	2000.0	
Selenium	196.02	9.60	20.0	
Silver	328.07	3.00	10.0	
Sodium	589.59	27.80	2000.0	
Thallium	190.86	4.80	40.0	
Vanadium	292.40	12.20	40.0	
Zinc	206.20	13.00	40.0	
Matrix Category: SOLIDS				
Mercury	253.70	0.0020	0.010	
Aluminum	308.22	1.68	10.00	
Antimony	206.83	1.12	5.00	
Arsenic	189.04	0.66	2.00	
Barium	493.41	0.80	10.00	
Beryllium	234.86	0.12	0.60	
Cadmium	226.50	0.12	0.60	
Calcium	373.69	2.14	200.00	
Chromium	267.72	0.26	1.00	
Cobalt	228.62	1.14	3.00	
Copper	224.70	0.64	2.00	
Iron	240.48	2.66	10.00	
Lead	220.35	0.24	1.20	
Magnesium	279.08	9.16	200.00	
Manganese	257.61	0.38	2.00	
Nickel	231.60	0.92	4.00	
Potassium	766.49	7.00	200.00	
Selenium	196.02	0.82	2.00	
Silver	328.07	0.30	1.00	
Sodium	589.59	5.04	200.00	

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METHOD DETECTION LIMITS

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Instrument ID: P4 **Date:** 02/14/2009 **Preparation Method:**

Analyte	Wave- length (nm)	MDL mg/Kg	CRQL mg/Kg	Date: 02/14/2009
Thallium	190.86	0.54	4.00	
Vanadium	292.40	1.18	4.00	
Zinc	206.20	1.40	4.00	

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ICP INTERELEMENT CORRECTION FACTORS

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Instrument ID: P4 **Date:** 01/09/2012

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000360	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0001500	0.0000000	-0.0000610	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000090	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000720	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0233600	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000160	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0005200	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0001080	0.0000160	0.0000290	-0.0000100	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000320	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0002320	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001330	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000260	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Instrument ID: P4 **Date:** 01/09/2012

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0002060
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001740
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0006250
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0032640
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Instrument ID: P4 **Date:** 01/09/2012

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0029760	0.0100500
Antimony	206.833	0.0145830	0.0000000	0.0000000	0.0000000	-0.0031290
Arsenic	193.759	0.0007180	0.0000000	0.0000000	0.0000000	-0.0002560
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000530	-0.0003670
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0003130	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0021550
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0021970
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0019650	0.0000000
Lead	220.353	0.0000000	0.0008310	0.0000000	0.0000700	-0.0012740
Magnesium	279.079	0.0000000	0.0000000	0.0000000	-0.0020750	-0.0136880
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0001570	0.0003540
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0003760	0.0001160
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0001240	-0.0000900
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0002340	0.0000000	0.0000000	0.0010000	0.0000000
Vanadium	292.402	0.0050600	0.0000000	0.0000000	-0.0003770	-0.0001820
Zinc	206.200	-0.0007800	0.0000000	0.0000000	0.0000000	-0.0001600

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ICP INTERELEMENT CORRECTION FACTORS

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Instrument ID: P4 **Date:** 01/09/2012

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	-0.0000810	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0004160	0.0000000
Cobalt	228.616	0.0000000	0.0001510	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0042280	0.0027390	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0030850	0.0000000
Lead	220.353	0.0000000	0.0001740	0.0000000	-0.0000980	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Instrument ID: P4 **Date:** 01/09/2012

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0331070	0.0000000
Antimony	206.833	0.0000000	0.0006570	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	-0.0034790	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0007080	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0015730	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003550	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0034480	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0002710	0.0000000	-0.0001150	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0004100	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0035820	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0004480	0.0000000	-0.0001790	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0065000	0.0000000	-0.0291690	0.0000000
Vanadium	292.402	0.0000000	0.0008050	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LINEAR RANGES

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Case No.:** E1297 **SAS No.:** E1297

Instrument ID: P4 **Date:** 07/19/2011

Analyte	Integration Time (sec)	LDR ug/L
Aluminum	10	1500000
Antimony	10	50000
Arsenic	10	85000
Barium	10	55000
Beryllium	10	10000
Cadmium	10	11000
Calcium	10	3500000
Chromium	10	100000
Cobalt	10	50000
Copper	10	100000
Iron	10	2300000
Lead	10	200000
Magnesium	10	3500000
Manganese	10	95000
Nickel	10	100000
Potassium	10	2000000
Selenium	10	50000
Silver	10	11000
Sodium	10	2000000
Thallium	10	20000
Vanadium	10	100000
Zinc	10	50000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Method:** CV

Case No.: E1297 **SAS No.:** E1297

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB68336**						
E1288-02D	SB-1-2D	DUP	SOIL	02/13/2013	0.60	30.0	91.90
E1288-02S	SB-1-2S	MS	SOIL	02/13/2013	0.60	30.0	91.90
E1288-02SD	SB-1-2SD	MSD	SOIL	02/13/2013	0.60	30.0	91.90
E1297-01	SB0-2	SAM	SOIL	02/13/2013	0.63	30.0	81.80
E1297-02	SB28-30	SAM	SOIL	02/13/2013	0.63	30.0	77.80
PB68336BL	PB68336BL	MB	SOIL	02/13/2013	0.60	30.0	100.00
PB68336BS	PB68336BS	LCS	SOIL	02/13/2013	0.60	30.0	100.00

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SAMPLE PREPARATION SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Method:** P

Case No.: E1297 **SAS No.:** E1297

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB68342**						
E1288-01D	SB-1-1D	DUP	SOIL	02/14/2013	2.09	100.0	85.00
E1288-01S	SB-1-1S	MS	SOIL	02/14/2013	2.12	100.0	85.00
E1288-01SD	SB-1-1SD	MSD	SOIL	02/14/2013	2.35	100.0	85.00
E1297-01	SB0-2	SAM	SOIL	02/14/2013	2.25	100.0	81.80
E1297-02	SB28-30	SAM	SOIL	02/14/2013	2.29	100.0	77.80
PB68342BL	PB68342BL	MB	SOIL	02/14/2013	2.00	100.0	100.00
PB68342BS	PB68342BS	LCS	SOIL	02/14/2013	2.00	100.0	100.00

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SAMPLE PREPARATION SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Method:** P

Case No.: E1297 **SAS No.:** E1297

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB68343**						
E1297-03	GW	SAM	WATER	02/14/2013	50.0	25.0	
E1297-03D	GWD	DUP	WATER	02/14/2013	50.0	25.0	
E1297-03S	GWS	MS	WATER	02/14/2013	50.0	25.0	
E1297-03SD	GWSD	MSD	WATER	02/14/2013	50.0	25.0	
E1297-04	GW	SAM	WATER	02/14/2013	50.0	25.0	
PB68343BL	PB68343BL	MB	WATER	02/14/2013	50.0	25.0	
PB68343BS	PB68343BS	LCS	WATER	02/14/2013	50.0	25.0	

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SAMPLE PREPARATION SUMMARY

Client: Sustainable Management LLC **SDG No.:** E1297

Contract: SUST01 **Lab Code:** CHEM **Method:** CV

Case No.: E1297 **SAS No.:** E1297

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB68351**						
E1288-14D	MW-3D	DUP	WATER	02/14/2013	30.0	30.0	
E1288-14S	MW-3S	MS	WATER	02/14/2013	30.0	30.0	
E1288-14SD	MW-3SD	MSD	WATER	02/14/2013	30.0	30.0	
E1297-03	GW	SAM	WATER	02/14/2013	30.0	30.0	
E1297-04	GW	SAM	WATER	02/14/2013	30.0	30.0	
PB68351BL	PB68351BL	MB	WATER	02/14/2013	30.0	30.0	
PB68351BS	PB68351BS	LCS	WATER	02/14/2013	30.0	30.0	

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ANALYSIS RUN LOG

Client: Sustainable Management LLC **Contract:** SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG No.:** E1297

Instrument ID Number: CV1 **Method:** CV **Run Number:** LB64835

Start Date: 02/14/2013 **End Date:** 02/14/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Std01Rep1	1	1451																X									
Std02Rep1	1	1504																X									
Std03Rep1	1	1506																X									
Std04Rep1	1	1508																X									
Std05Rep1	1	1510																X									
Std06Rep1	1	1512																X									
ICV01	1	1515																X									
ICB01	1	1517																X									
CCV01	1	1519																X									
CCB1	1	1521																X									
CRI01	1	1525																X									
PB68336BL	1	1531																X									
PB68336BS	1	1533																X									
SB-1-2D	1	1539																X									
SB-1-2S	1	1541																X									
SB-1-2SD	1	1543																X									
CCV02	1	1545																X									
CCB02	1	1547																X									
SB-1-2A	1	1549																									
SB-1-2L	5	1551																X									
CCV03	1	1608																X									
CCB03	1	1610																X									
SB0-2	1	1612																X									
SB28-30	1	1614																X									
CCV04	1	1616																X									
CCB04	1	1618																X									

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Metals
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ANALYSIS RUN LOG

Client: Sustainable Management LLC **Contract:** SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG No.:** E1297

Instrument ID Number: P4 **Method:** P **Run Number:** LB64845

Start Date: 02/14/2013 **End Date:** 02/14/2013

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1	1218		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S1	1	1222		X	X	X	X	X	X		X	X	X	X	X		X		X		X	X		X	X	X	
S2	1	1225								X						X				X			X				
S3	1	1229		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S4	1	1232		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S5	1	1235		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV01	1	1239		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB01	1	1242		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI01	1	1245		X	X	X	X	X	X		X	X	X	X	X		X		X		X	X		X	X	X	
CRI02	1	1249								X						X				X			X				
ICSA01	1	1252		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB01	1	1256		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV07	1	1820		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB07	1	1827		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PB68342BL	1	1830		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PB68342BS	1	1834		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-1-1D	1	1840		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-1-1S	1	1844		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-1-1SD	1	1847		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-1-1A	1	1850			X							X															
SB-1-1L	5	1857		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV08	1	1904		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB08	1	1911		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB0-2	1	1942		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB28-30	1	1945		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV09	1	1949		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB09	1	1956		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PB68343BL	1	1959		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PB68343BS	1	2003		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
GW	1	2006		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
GWD	1	2009		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
GWS	1	2013		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
GWSD	1	2016		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
GWA	1	2020		X																							
GWL	5	2027		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
GW	1	2030		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV10	1	2033		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB10	1	2040		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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Metals
- 14 -
ANALYSIS RUN LOG

Client: Sustainable Management LLC **Contract:** SUST01

Lab Code: CHEM **Case No.:** E1297 **SAS No.:** E1297 **SDG No.:** E1297

Instrument ID Number: CV1 **Method:** CV **Run Number:** LB64849

Start Date: 02/15/2013 **End Date:** 02/15/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Std01Rep1	1	1112																X									
Std02Rep1	1	1114																X									
Std03Rep1	1	1116																X									
Std04Rep1	1	1118																X									
Std05Rep1	1	1120																X									
Std06Rep1	1	1122																X									
ICV01	1	1125																X									
ICB01	1	1127																X									
CCV01	1	1129																X									
CCB01	1	1131																X									
CRI01	1	1133																X									
PB68351BL	1	1139																X									
PB68351BS	1	1141																X									
MW-3D	1	1148																X									
MW-3S	1	1156																X									
CCV02	1	1158																X									
CCB02	1	1200																X									
MW-3SD	1	1202																X									
MW-3A	1	1204																									
MW-3L	5	1206																X									
GW	1	1212																X									
GW	1	1214																X									
CCV03	1	1216																X									
CCB03	1	1218																X									
CCV04	1	1228																X									
CCB04	1	1230																X									

SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. / QUOTE NO. E1297
COC Number 022870

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Sustainable Management LLC
ADDRESS: 1370 Broadway, 5th Floor
CITY: New York STATE: NY ZIP: 10018
ATTENTION: Chunyuan Li
PHONE: 646-380-1939 FAX: 646-380-1220

CLIENT PROJECT INFORMATION

PROJECT NAME: Samoo Architects
PROJECT NO.: LOCATION: 122 E 32nd St
PROJECT MANAGER: Chunyuan Li
e-mail: ECEALI@AOL.COM
PHONE: 646-380-1939 FAX: 646-380-1220

CLIENT BILLING INFORMATION

BILL TO: Sustainable Management LLC
ADDRESS: 1370 Broadway, 5th Floor
CITY: New York STATE: NY ZIP: 10018
ATTENTION: Ethan Eldon PHONE: 646-380-1940

DATA TURNAROUND INFORMATION

FAX: 10 DAYS *
HARD COPY: DAYS *
EDD: DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only ☐ Others
☒ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format:

ANALYSIS

1 EPA 8260
2 EPA 8270
3 EPA 8081/8082
4 EPA 6010
5
6
7
8
9

PRESERVATIVES

COMMENTS

← Specify Preservatives
A–HCl B–HNO_3
C–H_2SO_4 D–NaOH
E–ICE F–Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	SB 0-2'	Soil		X	2/12/13	9:20	2	X	X	X	X						
2.	SB 28-30'	Soil		X	2/12/13	12:45	2	X	X	X	X						
3.	GW	water		X	2/12/13	3:45	6	X	X	X	X						
4.	~~GW Filtered at Lab~~	~~water~~		~~X~~	~~2/12/13~~	~~3:45~~	~~1~~	~~X~~									
5.	GW Filtered at Lab	water		X	2/12/13	3:44	1				X						
6.	Travel Blank				2/12/13	4:30	1	X									
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Li Chunyuan	2/12/13 4:30pm	1.
RELINQUISHED BY: 2. Li Chunyuan	DATE/TIME: 2/12/13 4:30pm	RECEIVED BY: 2.
RELINQUISHED BY: 3. UPS	DATE/TIME: 2/13/13 10:00	RECEIVED FOR LAB BY: 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
Cooler Temp. 4C
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Ice in Cooler?: YES

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

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Sample filtration log

Chemtech Project number: E1297 Date & Time : 2/13/13 1300

Client Name: Sustainable Mangement Client Project Name : Samoo Architects

Instructions: filter & preserve following S.O.P

Sample Custodian: Palak Shah

Client Sample ID	Lab ID	Volume of sample filtered	Filter Paper lot #	Comments
RW	E1297-04	200mL	D013387	

Appendix 3 Laboratory Data Deliverables for Soil Vapor Analytical Data

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : SAMOO ARCHITECTS

SUSTAINABLE MANAGEMENT LLC

1370 Broadway, 5th Floor

New York, NY - 10018

Phone No: 646-380-1939

ORDER ID : E1298

ATTENTION : Chunyuan Li

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

Table Of Contents for E1298

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2.1) TO-15- Case Narrative 4

3) TO-15 Data 9

4) Shipping Document 59

4.1) CHAIN OF CUSTODY 60

4.2) Air Bill 65

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Cover Page

Order ID : E1298

Project ID : Samoo Architects

Client : Sustainable Management LLC

Lab Sample Number	Client Sample Number
E1298-01	SG-1
E1298-02	SG-2
E1298-03	SG-3

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 2/20/2013

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
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CASE NARRATIVE

Sustainable Management LLC
Project Name: Samoo Architects
Project # N/A
Chemtech Project # E1298
Test Name: TO-15

A. Number of Samples and Date of Receipt:
3 Air samples were received on 02/13/2013.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SUMMA Canister Rental, TO-15 and VOCMS Group2. This data package contains results for TO-15.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator.The analysis of TO-15 was based on method TO-15.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The Blank Spike for {VL0218ABS} with File ID: VL018963.D met requirements for all samples except for 1,4-Dioxane[69%] .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements except for Dichlorodifluoromethane have more than 30 % RSD with dated 02/16/2013 with L instrument, but as per method two compounds are allowed to be failed.
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.
Sample SG-3 was diluted due to high concentration.

E. Additional Comments:

Manual integration were performed for the following:

Sequence	VL021613	Instrument			MSVOA_I		
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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VSTDICCC010	VL018937.D	Chlorobenzene-d5	shreena	2/18/2013 2:47:43 AM	sam	2/18/2013 2:18:31 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL018937.D	m/p-Xylene	shreena	2/18/2013 2:47:43 AM	sam	2/18/2013 2:18:31 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL018937.D	Naphthalene	shreena	2/18/2013 2:47:43 AM	sam	2/18/2013 2:18:31 PM	Peak Integrated by Software incorrectly
VSTDICCC010	VL018937.D	Vinyl Acetate	shreena	2/18/2013 2:47:43 AM	sam	2/18/2013 2:18:31 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL018938.D	1,4-Difluorobenzene	shreena	2/18/2013 2:47:45 AM	sam	2/18/2013 2:17:37 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL018938.D	m/p-Xylene	shreena	2/18/2013 2:47:45 AM	sam	2/18/2013 2:17:37 PM	Peak Integrated by Software incorrectly
VSTDICC002	VL018938.D	Vinyl Acetate	shreena	2/18/2013 2:47:45 AM	sam	2/18/2013 2:17:37 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL018939.D	Chlorobenzene-d5	shreena	2/18/2013 2:47:46 AM	sam	2/18/2013 2:18:37 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL018939.D	m/p-Xylene	shreena	2/18/2013 2:47:46 AM	sam	2/18/2013 2:18:37 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL018939.D	Vinyl Acetate	shreena	2/18/2013 2:47:46 AM	sam	2/18/2013 2:18:37 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL018940.D	m/p-Xylene	shreena	2/18/2013 2:47:55 AM	sam	2/18/2013 2:19:19 PM	Peak Integrated by Software incorrectly

Sequence	VL021613	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL018940.D	Vinyl Acetate	shreena	2/18/2013 2:47:55 AM	sam	2/18/2013 2:19:19 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL018941.D	Chlorobenzene-d5	shreena	2/18/2013 2:47:57	sam	2/18/2013 2:18:44 PM	Peak Integrated by

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				AM			Software incorrectly
VSTDICC015	VL018941.D	m/p-Xylene	shreena	2/18/2013 2:47:57 AM	sam	2/18/2013 2:18:44 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL018941.D	Vinyl Acetate	shreena	2/18/2013 2:47:57 AM	sam	2/18/2013 2:18:44 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL018942.D	Chlorobenzene-d5	shreena	2/18/2013 2:47:58 AM	sam	2/18/2013 2:17:46 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL018942.D	m/p-Xylene	shreena	2/18/2013 2:47:58 AM	sam	2/18/2013 2:17:46 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL018942.D	Vinyl Acetate	shreena	2/18/2013 2:47:58 AM	sam	2/18/2013 2:17:46 PM	Peak Integrated by Software incorrectly
VL0216ABL	VL018943.D	Chlorobenzene-d5	shreena	2/16/2013 5:51:21 AM	sam	2/18/2013 2:17:52 PM	Peak Integrated by Software incorrectly
VL0216ABS	VL018944.D	Chlorobenzene-d5	shreena	2/16/2013 5:51:23 AM	sam	2/18/2013 2:19:24 PM	Peak Integrated by Software incorrectly
VL0216ABS	VL018944.D	m/p-Xylene	shreena	2/16/2013 5:51:23 AM	sam	2/18/2013 2:19:24 PM	Peak Integrated by Software incorrectly
VL0216ABS	VL018944.D	Vinyl Acetate	shreena	2/16/2013 5:51:23 AM	sam	2/18/2013 2:19:24 PM	Peak Integrated by Software incorrectly
0.1 PPBV RPT	VL018945.D	Chlorobenzene-d5	shreena	2/16/2013 5:51:24 AM	sam	2/18/2013 2:19:31 PM	Peak Integrated by Software incorrectly

Sequence	VL021613	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
0.1 PPBV RPT	VL018945.D	Vinyl Acetate	shreena	2/16/2013 5:51:24 AM	sam	2/18/2013 2:19:31 PM	Peak Integrated by Software incorrectly
0.03 PPBV RPT	VL018946.D	Chlorobenzene-d5	shreena	2/18/2013 1:06:50 AM	sam	2/18/2013 2:17:57 PM	Peak Integrated by Software incorrectly

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E1298-01	VL018950.D	4-Ethyltoluene	shreena	2/18/2013 1:06:57 AM	sam	2/18/2013 2:18:56 PM	Peak Integrated by Software incorrectly
E1298-02	VL018951.D	4-Ethyltoluene	shreena	2/18/2013 1:06:59 AM	sam	2/18/2013 2:18:20 PM	Peak Integrated by Software incorrectly
E1298-03	VL018952.D	4-Ethyltoluene	shreena	2/18/2013 1:07:00 AM	sam	2/18/2013 2:19:02 PM	Peak Integrated by Software incorrectly
E1298-03	VL018952.D	Chlorobenzene-d5	shreena	2/18/2013 1:07:00 AM	sam	2/18/2013 2:19:02 PM	Peak Integrated by Software incorrectly

Sequence	VL021813	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL018956.D	Chlorobenzene-d5	sam	2/18/2013 7:29:04 PM	mohammad	2/19/2013 9:26:28 AM	Peak Integrated by Software incorrectly
VSTDICCC010	VL018956.D	Vinyl Acetate	sam	2/18/2013 7:29:04 PM	mohammad	2/19/2013 9:26:28 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL018957.D	Vinyl Acetate	sam	2/18/2013 7:29:11 PM	mohammad	2/19/2013 9:26:31 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL018958.D	Vinyl Acetate	sam	2/18/2013 7:29:32 PM	mohammad	2/19/2013 9:26:33 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL018959.D	Chlorobenzene-d5	sam	2/18/2013 7:29:23 PM	mohammad	2/19/2013 9:26:37 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL018959.D	Vinyl Acetate	sam	2/18/2013 7:29:23 PM	mohammad	2/19/2013 9:26:37 AM	Peak Integrated by Software incorrectly
VSTDICC015	VL018960.D	Chlorobenzene-d5	sam	2/18/2013 7:29:17 PM	mohammad	2/19/2013 9:26:41 AM	Peak Integrated by Software incorrectly
VSTDICC015	VL018960.D	Vinyl Acetate	sam	2/18/2013 7:29:17 PM	mohammad	2/19/2013 9:26:41 AM	Peak Integrated by Software incorrectly
VSTDICV010	VL018961.D	Chlorobenzene-d5	sam	2/18/2013 7:29:38 PM	mohammad	2/19/2013 9:26:43 AM	Peak Integrated by Software

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							incorrectly
VSTDICV010	VL018961.D	Vinyl Acetate	sam	2/18/2013 7:29:38 PM	mohammad	2/19/2013 9:26:43 AM	Peak Integrated by Software incorrectly
VL0218ABS	VL018963.D	Chlorobenzene-d5	manali	2/19/2013 3:26:24 AM	mohammad	2/19/2013 9:26:46 AM	Peak Integrated by Software incorrectly

Sequence	VL021813	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VL0218ABS	VL018963.D	Vinyl Acetate	manali	2/19/2013 3:26:24 AM	mohammad	2/19/2013 9:26:46 AM	Peak Integrated by Software incorrectly
0.1 PPBV RPT	VL018964.D	Chlorobenzene-d5	manali	2/19/2013 3:26:26 AM	mohammad	2/19/2013 9:26:49 AM	Peak Integrated by Software incorrectly
0.1 PPBV RPT	VL018964.D	m/p-Xylene	manali	2/19/2013 3:26:26 AM	mohammad	2/19/2013 9:26:49 AM	Peak Integrated by Software incorrectly
0.03 PPBV RPT	VL018965.D	Chlorobenzene-d5	manali	2/19/2013 3:26:28 AM	mohammad	2/19/2013 9:26:52 AM	Peak Integrated by Software incorrectly

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

LAB CHRONICLE

OrderID:	E1298	**OrderDate:**	2/13/2013 1:14:05 PM
Client:	Sustainable Management LLC	**Project:**	Samoo Architects
Contact:	Chunyuan Li	**Location:**	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
E1298-01	**SG-1**	**Air**			**02/12/13**			**02/13/13**
			TO-15	TO-15			02/16/13	
E1298-02	**SG-2**	**Air**			**02/12/13**			**02/13/13**
			TO-15	TO-15			02/16/13	
E1298-03	**SG-3**	**Air**			**02/12/13**			**02/13/13**
			TO-15	TO-15			02/16/13	
E1298-03DL	**SG-3DL**	**Air**			**02/12/13**			**02/13/13**
			TO-15	TO-15			02/19/13	

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Hit Summary Sheet
SW-846

SDG No.: E1298

Client: Sustainable Management LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**SG-1**								
E1298-01	SG-1	Air	Dichlorodifluoromethane	0.37		0.04	0.05	0.1	ppbv
E1298-01	SG-1	Air	Chloromethane	0.37		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	Trichlorofluoromethane	0.21		0.04	0.05	0.1	ppbv
E1298-01	SG-1	Air	Heptane	1.00		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	Acetone	8.20		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	Methylene Chloride	0.84		0.05	0.05	0.1	ppbv
E1298-01	SG-1	Air	Cyclohexane	0.22		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	2-Butanone	0.68		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	Carbon Tetrachloride	0.06		0.03	0.03	0.03	ppbv
E1298-01	SG-1	Air	Tetrahydrofuran	1.20		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	2,2,4-Trimethylpentane	0.20		0.04	0.05	0.1	ppbv
E1298-01	SG-1	Air	Benzene	4.00		0.04	0.05	0.1	ppbv
E1298-01	SG-1	Air	Trichloroethene	0.05		0.03	0.03	0.03	ppbv
E1298-01	SG-1	Air	Toluene	14.10		0.05	0.05	0.1	ppbv
E1298-01	SG-1	Air	Tetrachloroethene	0.49		0.03	0.03	0.03	ppbv
E1298-01	SG-1	Air	Ethyl Benzene	1.30		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	m/p-Xylene	4.40		0.2	0.2	0.2	ppbv
E1298-01	SG-1	Air	o-Xylene	0.84		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	1,3,5-Trimethylbenzene	0.11		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	1,2,4-Trimethylbenzene	0.47		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	4-Ethyltoluene	0.25		0.1	0.1	0.1	ppbv
E1298-01	SG-1	Air	Hexane	2.50		0.04	0.05	0.1	ppbv
			Total Voc :	41.86					
			Total Concentration:	41.86					
Client ID:	**SG-2**								
E1298-02	SG-2	Air	Dichlorodifluoromethane	0.38		0.04	0.05	0.1	ppbv
E1298-02	SG-2	Air	Chloromethane	0.40		0.1	0.1	0.1	ppbv
E1298-02	SG-2	Air	Trichlorofluoromethane	0.20		0.04	0.05	0.1	ppbv
E1298-02	SG-2	Air	Heptane	1.70		0.1	0.1	0.1	ppbv
E1298-02	SG-2	Air	Acetone	10.50		0.1	0.1	0.1	ppbv
E1298-02	SG-2	Air	Carbon Disulfide	0.22		0.05	0.05	0.1	ppbv
E1298-02	SG-2	Air	Cyclohexane	0.33		0.1	0.1	0.1	ppbv
E1298-02	SG-2	Air	2-Butanone	1.40		0.1	0.1	0.1	ppbv
E1298-02	SG-2	Air	Carbon Tetrachloride	0.06		0.03	0.03	0.03	ppbv
E1298-02	SG-2	Air	2,2,4-Trimethylpentane	0.49		0.04	0.05	0.1	ppbv
E1298-02	SG-2	Air	Benzene	4.60		0.04	0.05	0.1	ppbv
E1298-02	SG-2	Air	Toluene	13.10		0.05	0.05	0.1	ppbv

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Hit Summary Sheet
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SDG No.: E1298

Client: Sustainable Management LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
E1298-02	SG-2	Air	Tetrachloroethene	1.30		0.03	0.03	0.03	ppbv
E1298-02	SG-2	Air	Ethyl Benzene	1.50		0.1	0.1	0.1	ppbv
E1298-02	SG-2	Air	m/p-Xylene	6.00		0.2	0.2	0.2	ppbv
E1298-02	SG-2	Air	o-Xylene	2.00		0.1	0.1	0.1	ppbv
E1298-02	SG-2	Air	1,3,5-Trimethylbenzene	1.40		0.1	0.1	0.1	ppbv
E1298-02	SG-2	Air	1,2,4-Trimethylbenzene	5.40		0.1	0.1	0.1	ppbv
E1298-02	SG-2	Air	4-Ethyltoluene	1.30		0.1	0.1	0.1	ppbv
E1298-02	SG-2	Air	Hexane	4.60		0.04	0.05	0.1	ppbv
			Total Voc :	56.88					
			Total Concentration:	56.88					
Client ID:	**SG-3**								
E1298-03	SG-3	Air	Dichlorodifluoromethane	0.38		0.04	0.05	0.1	ppbv
E1298-03	SG-3	Air	tert-Butyl alcohol	0.39		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	Chloromethane	0.33		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	Trichlorofluoromethane	0.20		0.04	0.05	0.1	ppbv
E1298-03	SG-3	Air	Heptane	4.70		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	Cyclohexane	2.80		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	2-Butanone	0.90		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	Carbon Tetrachloride	0.06		0.03	0.03	0.03	ppbv
E1298-03	SG-3	Air	2,2,4-Trimethylpentane	6.40		0.04	0.05	0.1	ppbv
E1298-03	SG-3	Air	Benzene	9.70		0.04	0.05	0.1	ppbv
E1298-03	SG-3	Air	Toluene	16.00	E	0.05	0.05	0.1	ppbv
E1298-03	SG-3	Air	Tetrachloroethene	1.70		0.03	0.03	0.03	ppbv
E1298-03	SG-3	Air	Ethyl Benzene	3.30		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	m/p-Xylene	11.20		0.2	0.2	0.2	ppbv
E1298-03	SG-3	Air	o-Xylene	4.10		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	Styrene	0.70		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	1,3,5-Trimethylbenzene	1.30		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	1,2,4-Trimethylbenzene	4.50		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	4-Ethyltoluene	1.50		0.1	0.1	0.1	ppbv
E1298-03	SG-3	Air	Hexane	10.50		0.04	0.05	0.1	ppbv
			Total Voc :	80.66					
			Total Concentration:	80.66					
Client ID:	**SG-3DL**								
E1298-03DL	SG-3DL	Air	Heptane	4.50	D	1	1	1	ppbv
E1298-03DL	SG-3DL	Air	Cyclohexane	2.70	D	1	1	1	ppbv
E1298-03DL	SG-3DL	Air	2-Butanone	1.30	D	1	1	1	ppbv
E1298-03DL	SG-3DL	Air	2,2,4-Trimethylpentane	6.70	D	0.4	0.5	1	ppbv

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Hit Summary Sheet
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SDG No.: E1298

Client: Sustainable Management LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
E1298-03DL	SG-3DL	Air	Benzene	11.10	D	0.4	0.5	1	ppbv
E1298-03DL	SG-3DL	Air	Toluene	21.10	D	0.5	0.5	1	ppbv
E1298-03DL	SG-3DL	Air	Tetrachloroethene	1.70	D	0.3	0.3	0.3	ppbv
E1298-03DL	SG-3DL	Air	Ethyl Benzene	2.80	D	1	1	1	ppbv
E1298-03DL	SG-3DL	Air	m/p-Xylene	10.80	D	2	2	2	ppbv
E1298-03DL	SG-3DL	Air	o-Xylene	3.70	D	1	1	1	ppbv
E1298-03DL	SG-3DL	Air	1,3,5-Trimethylbenzene	1.00	D	1	1	1	ppbv
E1298-03DL	SG-3DL	Air	1,2,4-Trimethylbenzene	4.10	D	1	1	1	ppbv
E1298-03DL	SG-3DL	Air	4-Ethyltoluene	1.30	D	1	1	1	ppbv
E1298-03DL	SG-3DL	Air	Hexane	10.80	D	0.4	0.5	1	ppbv
			Total Voc :	83.6					
			Total Concentration:	83.6					

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.37		1.83		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Chloromethane	74-87-3	50.49	0.37		0.76		
Methyl Methacrylate	80-62-6	100.117	0.1	U	0.41		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.05	U	0.19		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Trichlorofluoromethane	75-69-4	137.4	0.21		1.18		
Dichlorotetrafluoroethane	76-14-2	170.9	0.05	U	0.35		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.05	U	0.38		
Bromoethene	593-60-2	106.9	0.05	U	0.22		
Heptane	142-82-5	100.2	1		4.1		
1,1-Dichloroethene	75-35-4	96.94	0.05	U	0.2		
Acetone	67-64-1	58.08	8.2		19.5		
Carbon Disulfide	75-15-0	76.14	0.05	U	0.16		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.05	U	0.18		
Methylene Chloride	75-09-2	84.94	0.84		2.92		
Allyl Chloride	107-05-1	76.53	0.05	U	0.16		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.05	U	0.2		
Cyclohexane	110-82-7	84.16	0.22		0.76		
2-Butanone	78-93-3	72.11	0.68		2.01		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.05	U	0.24		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
Tetrahydrofuran	109-99-9	72.11	1.2		3.54		
2,2,4-Trimethylpentane	540-84-1	114.2	0.2		0.93		
Benzene	71-43-2	78.11	4		12.8		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.05		0.27		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.05	U	0.33		
4-Methyl-2-Pentanone	108-10-1	100.2	0.05	U	0.2		
Toluene	108-88-3	92.14	14.1		53.1		
t-1,3-Dichloropropene	10061-02-6	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-5	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.05	U	0.43		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.49		3.32		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	1.3		5.65		
m/p-Xylene	179601-23-1	106.2	4.4		19.1		
o-Xylene	95-47-6	106.2	0.84		3.65		

Styrene	100-42-5	104.1	0.1	U	0.43		
Bromoform	75-25-2	252.8	0.05	U	0.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.1	U	0.69		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11		0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.47		2.31		
4-Ethyltoluene	622-96-8	120.2	0.25		1.23		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.05	U	0.37		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
Hexane	110-54-3	86.17	2.5		8.81		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.38		1.88		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Chloromethane	74-87-3	50.49	0.4		0.83		
Methyl Methacrylate	80-62-6	100.117	0.1	U	0.41		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.05	U	0.19		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Trichlorofluoromethane	75-69-4	137.4	0.2		1.12		
Dichlorotetrafluoroethane	76-14-2	170.9	0.05	U	0.35		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.05	U	0.38		
Bromoethene	593-60-2	106.9	0.05	U	0.22		
Heptane	142-82-5	100.2	1.7		6.97		
1,1-Dichloroethene	75-35-4	96.94	0.05	U	0.2		
Acetone	67-64-1	58.08	10.5		24.9		
Carbon Disulfide	75-15-0	76.14	0.22		0.69		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.05	U	0.18		
Methylene Chloride	75-09-2	84.94	0.05	U	0.17		
Allyl Chloride	107-05-1	76.53	0.05	U	0.16		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.05	U	0.2		
Cyclohexane	110-82-7	84.16	0.33		1.14		
2-Butanone	78-93-3	72.11	1.4		4.13		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.05	U	0.24		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
2,2,4-Trimethylpentane	540-84-1	114.2	0.49		2.29		
Benzene	71-43-2	78.11	4.6		14.7		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.05	U	0.33		
4-Methyl-2-Pentanone	108-10-1	100.2	0.05	U	0.2		
Toluene	108-88-3	92.14	13.1		49.4		
t-1,3-Dichloropropene	10061-02-6	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-5	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.05	U	0.43		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	1.3		8.82		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	1.5		6.52		
m/p-Xylene	179601-23-1	106.2	6		26.1		
o-Xylene	95-47-6	106.2	2		8.69		

Styrene	100-42-5	104.1	0.1	U	0.43		
Bromoform	75-25-2	252.8	0.05	U	0.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.1	U	0.69		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.4		6.88		
1,2,4-Trimethylbenzene	95-63-6	120.2	5.4		26.6		
4-Ethyltoluene	622-96-8	120.2	1.3		6.39		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.05	U	0.37		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
Hexane	110-54-3	86.17	4.6		16.2		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.38		1.88		
tert-Butyl alcohol	75-65-0	74.12	0.39		1.18		
Chloromethane	74-87-3	50.49	0.33		0.68		
Methyl Methacrylate	80-62-6	100.117	0.1	U	0.41		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.05	U	0.19		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Trichlorofluoromethane	75-69-4	137.4	0.2		1.12		
Dichlorotetrafluoroethane	76-14-2	170.9	0.05	U	0.35		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.05	U	0.38		
Bromoethene	593-60-2	106.9	0.05	U	0.22		
Heptane	142-82-5	100.2	4.7		19.3		
1,1-Dichloroethene	75-35-4	96.94	0.05	U	0.2		
Acetone	67-64-1	58.08	0.1	U	0.24		
Carbon Disulfide	75-15-0	76.14	0.05	U	0.16		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.05	U	0.18		
Methylene Chloride	75-09-2	84.94	0.05	U	0.17		
Allyl Chloride	107-05-1	76.53	0.05	U	0.16		
trans-1,2-Dichloroethene	156-60-5	96.94	0.1	U	0.4		
1,1-Dichloroethane	75-34-3	98.96	0.05	U	0.2		
Cyclohexane	110-82-7	84.16	2.8		9.64		
2-Butanone	78-93-3	72.11	0.9		2.65		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.05	U	0.24		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
Tetrahydrofuran	109-99-9	72.11	0.1	U	0.29		
2,2,4-Trimethylpentane	540-84-1	114.2	6.4		29.9		
Benzene	71-43-2	78.11	9.7		31		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.05	U	0.33		
4-Methyl-2-Pentanone	108-10-1	100.2	0.05	U	0.2		
Toluene	108-88-3	92.14	16	E	60.3		
t-1,3-Dichloropropene	10061-02-6	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-5	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.05	U	0.43		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	1.7		11.5		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	3.3		14.3		
m/p-Xylene	179601-23-1	106.2	11.2		48.6		
o-Xylene	95-47-6	106.2	4.1		17.8		

Styrene	100-42-5	104.1	0.7		2.98		
Bromoform	75-25-2	252.8	0.05	U	0.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.1	U	0.69		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.3		6.39		
1,2,4-Trimethylbenzene	95-63-6	120.2	4.5		22.1		
4-Ethyltoluene	622-96-8	120.2	1.5		7.37		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.1	U	0.6		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.05	U	0.37		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
Hexane	110-54-3	86.17	10.5		37		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generates Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.5	UD	2.47		
tert-Butyl alcohol	75-65-0	74.12	1	UD	3.03		
Chloromethane	74-87-3	50.49	1	UD	2.07		
Methyl Methacrylate	80-62-6	100.117	1	UD	4.09		
Vinyl Chloride	75-01-4	62.5	0.3	UD	0.77		
Bromomethane	74-83-9	94.94	0.5	UD	1.94		
Chloroethane	75-00-3	64.52	1	UD	2.64		
Trichlorofluoromethane	75-69-4	137.4	0.5	UD	2.81		
Dichlorotetrafluoroethane	76-14-2	170.9	0.5	UD	3.49		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.5	UD	3.83		
Bromoethene	593-60-2	106.9	0.5	UD	2.19		
Heptane	142-82-5	100.2	4.5	D	18.4		
1,1-Dichloroethene	75-35-4	96.94	0.5	UD	1.98		
Acetone	67-64-1	58.08	1	UD	2.38		
Carbon Disulfide	75-15-0	76.14	0.5	UD	1.56		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.5	UD	1.8		
Methylene Chloride	75-09-2	84.94	0.5	UD	1.74		
Allyl Chloride	107-05-1	76.53	0.5	UD	1.57		
trans-1,2-Dichloroethene	156-60-5	96.94	1	UD	3.96		
1,1-Dichloroethane	75-34-3	98.96	0.5	UD	2.02		
Cyclohexane	110-82-7	84.16	2.7	D	9.29		
2-Butanone	78-93-3	72.11	1.3	D	3.83		
Carbon Tetrachloride	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	0.5	UD	2.44		
1,4-Dioxane	123-91-1	88.12	1	UD	3.6		
1,1,1-Trichloroethane	71-55-6	133.4	0.3	UD	1.64		
Tetrahydrofuran	109-99-9	72.11	1	UD	2.95		
2,2,4-Trimethylpentane	540-84-1	114.2	6.7	D	31.3		
Benzene	71-43-2	78.11	11.1	D	35.5		
1,2-Dichloroethane	107-06-2	98.96	1	UD	4.05		
Trichloroethene	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichloropropane	78-87-5	113	1	UD	4.62		
Bromodichloromethane	75-27-4	163.8	0.5	UD	3.35		
4-Methyl-2-Pentanone	108-10-1	100.2	0.5	UD	2.05		
Toluene	108-88-3	92.14	21.1	D	79.5		
t-1,3-Dichloropropene	10061-02-6	111	1	UD	4.54		
cis-1,3-Dichloropropene	10061-01-5	111	1	UD	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	UD	5.46		
Dibromochloromethane	124-48-1	208.3	0.5	UD	4.26		
1,2-Dibromoethane	106-93-4	187.9	1	UD	7.69		
Tetrachloroethene	127-18-4	165.8	1.7	D	11.5		
Chlorobenzene	108-90-7	112.6	1	UD	4.61		
Ethyl Benzene	100-41-4	106.2	2.8	D	12.2		
m/p-Xylene	179601-23-1	106.2	10.8	D	46.9		
o-Xylene	95-47-6	106.2	3.7	D	16.1		

Styrene	100-42-5	104.1	1	UD	4.26		
Bromoform	75-25-2	252.8	0.5	UD	5.17		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1	UD	6.87		
2-Chlorotoluene	95-49-8	126.6	1	UD	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1	D	4.92		
1,2,4-Trimethylbenzene	95-63-6	120.2	4.1	D	20.2		
4-Ethyltoluene	622-96-8	120.2	1.3	D	6.39		
1,3-Dichlorobenzene	541-73-1	147	1	UD	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	UD	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	UD	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.5	UD	3.71		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	UD	10.7		
1,3-Butadiene	106-99-0	54.09	1	UD	2.21		
Hexane	110-54-3	86.17	10.8	D	38.1		

Current MDLs for Air

Method	Matrix	CAS #	Compound Name	Molecular Wt	ppbv MDL	LOD ppbv	LOQ ppbv	ug/m3 MDL	LOD ug/m3	LOQ ug/m3
TO-15	Air	71-55-6	1,1,1-Trichloroethane	133	0.04	0.04	0.5	0.22	0.22	2.72
TO-15	Air	79-34-5	1,1,2,2-Tetrachloroethane	168	0.10	0.1	0.5	0.69	0.69	3.44
TO-15	Air	79-00-5	1,1,2-Trichloroethane	133	0.08	0.1	0.5	0.44	0.54	2.72
TO-15	Air	76-13-1	1,1,2-Trichlorotrifluoroethane	187	0.04	0.1	0.5	0.32	0.76	3.82
TO-15	Air	75-34-3	1,1-Dichloroethane	99	0.04	0.1	0.5	0.16	0.40	2.02
TO-15	Air	75-35-4	1,1-Dichloroethene	97	0.05	0.1	0.5	0.20	0.40	1.98
TO-15	Air	120-82-1	1,2,4-Trichlorobenzene	181	0.04	0.1	0.5	0.29	0.74	3.70
TO-15	Air	95-63-6	1,2,4-Trimethylbenzene	120	0.10	0.1	0.5	0.50	0.49	2.45
TO-15	Air	106-93-4	1,2-Dibromoethane	188	0.07	0.1	0.5	0.55	0.77	3.84
TO-15	Air	95-50-1	1,2-Dichlorobenzene	147	0.07	0.1	0.5	0.41	0.60	3.01
TO-15	Air	107-06-2	1,2-Dichloroethane	99	0.07	0.1	0.5	0.28	0.40	2.02
TO-15	Air	78-87-5	1,2-Dichloropropane	113	0.06	0.1	0.5	0.30	0.46	2.31
TO-15	Air	108-67-8	1,3,5-Trimethylbenzene	120	0.09	0.1	0.5	0.44	0.49	2.45
TO-15	Air	106-99-0	1,3-Butadiene	54	0.09	0.1	0.5	0.20	0.22	1.10
TO-15	Air	541-73-1	1,3-Dichlorobenzene	147	0.08	0.1	0.5	0.46	0.60	3.01
TO-15	Air	106-46-7	1,4-Dichlorobenzene	147	0.06	0.1	0.5	0.35	0.60	3.01
TO-15	Air	123-91-1	1,4-Dioxane	88	0.09	0.1	0.5	0.32	0.36	1.80
TO-15	Air	540-84-1	2,2,4-Trimethylpentane	114	0.04	0.1	0.5	0.21	0.47	2.33
TO-15	Air	78-93-3	2-Butanone	72	0.10	0.1	0.5	0.29	0.29	1.47
TO-15	Air	95-49-8	2-Chlorotoluene	126.6	0.10	0.1	0.5	0.52	0.52	2.59
TO-15	Air	591-78-6	2-Hexanone	100	0.08	0.1	0.5	0.33	0.41	2.04
TO-15	Air	622-96-8	4-Ethyltoluene	120	0.08	0.1	0.5	0.38	0.49	2.45
TO-15	Air	108-10-1	4-Methyl-2-Pentanone	100	0.06	0.1	0.5	0.24	0.41	2.04
TO-15	Air	67-64-1	Acetone	58	0.10	0.1	0.5	0.24	0.24	1.19
TO-15	Air	107-05-1	Allyl Chloride	77	0.05	0.1	0.5	0.16	0.31	1.57
TO-15	Air	71-43-2	Benzene	78	0.04	0.1	0.5	0.12	0.32	1.60
TO-15	Air	100-44-7	Benzyl Chloride	141	0.06	0.1	0.5	0.37	0.58	2.88
TO-15	Air	75-27-4	Bromodichloromethane	164	0.05	0.1	0.5	0.33	0.67	3.35
TO-15	Air	593-60-2	Bromoethene	107	0.03	0.1	0.5	0.14	0.44	2.19
TO-15	Air	75-25-2	Bromoform	253	0.05	0.1	0.5	0.49	1.03	5.17
TO-15	Air	74-83-9	Bromomethane	95	0.03	0.1	0.5	0.12	0.39	1.94
TO-15	Air	75-15-0	Carbon Disulfide	76	0.05	0.1	0.5	0.14	0.31	1.55
TO-15	Air	56-23-5	Carbon Tetrachloride	154	0.04	0.04	0.5	0.25	0.25	3.15
TO-15	Air	108-90-7	Chlorobenzene	113	0.09	0.1	0.5	0.40	0.46	2.31
TO-15	Air	75-00-3	Chloroethane	65	0.07	0.1	0.5	0.18	0.27	1.33
TO-15	Air	67-66-3	Chloroform	119	0.02	0.1	0.5	0.08	0.49	2.43
TO-15	Air	74-87-3	Chloromethane	50	0.06	0.1	0.5	0.12	0.20	1.02
TO-15	Air	156-59-2	cis-1,2-Dichloroethene	97	0.06	0.1	0.5	0.22	0.40	1.98
TO-15	Air	10061-01-5	cis-1,3-Dichloropropene	111	0.06	0.1	0.5	0.29	0.45	2.27
TO-15	Air	110-82-7	Cyclohexane	82	0.08	0.1	0.5	0.28	0.34	1.68
TO-15	Air	124-48-1	Dibromochloromethane	208	0.05	0.1	0.5	0.43	0.85	4.25
TO-15	Air	75-71-8	Dichlorodifluoromethane	121	0.04	0.1	0.5	0.18	0.49	2.47
TO-15	Air	76-14-2	Dichlorotetrafluoroethane	171	0.04	0.1	0.5	0.27	0.70	3.50
TO-15	Air	64-17-5	Ethanol	46.1	0.10	0.1	0.5	0.19	0.19	0.94
TO-15	Air	141-78-6	Ethyl Acetate	88	0.06	0.1	0.5	0.23	0.36	1.80
TO-15	Air	100-41-4	Ethyl Benzene	106	0.08	0.1	0.5	0.35	0.43	2.17
TO-15	Air	142-82-5	Heptane	100	0.06	0.1	0.5	0.25	0.41	2.04
TO-15	Air	87-68-3	Hexachloro-1,3-Butadiene	261	0.08	0.1	0.5	0.82	1.07	5.34

Current MDLs for Air

TO-15	Air	110-54-3	Hexane	86	0.04	0.1	0.5	0.15	0.35	1.76
TO-15	Air	67-63-0	Isopropyl Alcohol	60	0.10	0.1	0.5	0.25	0.25	1.23
TO-15	Air	136777-61-2	m/p-Xylene	106	0.10	0.2	1	0.43	0.87	4.34
TO-15	Air	80-62-6	Methyl methacrylate	100.1	0.10	0.1	0.5	0.41	0.41	2.05
TO-15	Air	1634-04-4	Methyl tert-Butyl Ether	88	0.05	0.1	0.5	0.19	0.36	1.80
TO-15	Air	75-09-2	Methylene Chloride	85	0.05	0.1	0.5	0.16	0.35	1.74
TO-15	Air	95-47-6	o-Xylene	106	0.07	0.1	0.5	0.29	0.43	2.17
TO-15	Air	115-07-1	Propene	42	0.10	0.1	0.5	0.18	0.18	0.86
TO-15	Air	100-42-5	Styrene	104	0.07	0.1	0.5	0.29	0.43	2.13
TO-15	Air	10061-02-6	t-1,3-Dichloropropene	111	0.07	0.1	0.5	0.30	0.45	2.27
TO-15	Air	27975-78-6	tert-butyl alcohol	74.1	0.10	0.1	0.5	0.30	0.30	1.52
TO-15	Air	127-18-4	Tetrachloroethene	166	0.03	0.03	0.5	0.20	0.20	3.39
TO-15	Air	109-99-9	Tetrahydrofuran	72	0.08	0.1	0.5	0.23	0.29	1.47
TO-15	Air	108-88-3	Toluene	92	0.05	0.1	0.5	0.20	0.38	1.88
TO-15	Air	156-60-5	trans-1,2-Dichloroethene	97	0.06	0.1	0.5	0.24	0.40	1.98
TO-15	Air	79-01-6	Trichloroethene	131	0.04	0.04	0.5	0.21	0.21	2.68
TO-15	Air	75-69-4	Trichlorofluoromethane	137	0.04	0.1	0.5	0.22	0.56	2.80
TO-15	Air	108-05-4	Vinyl Acetate	86	0.10	0.1	0.5	0.35	0.35	1.76
TO-15	Air	75-01-4	Vinyl Chloride	62.5	0.07	0.07	0.5	0.17	0.17	1.28

TO-15	Air	91-20-3	Naphthalene	128	0.04	0.25	0.50	0.21	1.31	2.62
TO-15	Air	98-82-8	Isopropylbenzene	120			0.5			2.46
TO-15	Air	103-65-1	n-propylbenzene	120			0.5			2.46
TO-15	Air	98-06-6	tert-butyl benzene	134			0.5			2.74
TO-15	Air	135-98-8	sec-butylbenzene	134			0.5			2.74
TO-15	Air	99-87-6	p-isopropyltoluene	134			0.5			2.74
TO-15	Air	104-51-8	n-butylbenzene	134			0.5			2.74
			Acetonitrile							
			Acrolein							
			Acrylonitrile							
			1,1,1,2-Tetrachloroethane							
			Tert-butanol							

SAMPLE DATA

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092

HELIUM Analysis
Method: _____

Analyst: Samantha Wright 02/22/13 Date 02/22/13 Supervisor Review: [illegible]

Sample Id	Helium %	COMMENTS
HE Canister	100.1	
E1298-01	0.0	
E1298-02	0.0	
HE Canister	100.0	
E1298-03	0.0	
HE Canister	100.2	
HE Canister		
HE Canister		
HE Canister		
		02/22/13 SW
HE Canister		
HE Canister		

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SG-1	SDG No.:	E1298
Lab Sample ID:	E1298-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018950.D	1		02/16/13	VL021613

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.37	1.83		0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	0.37	0.76		0.1	0.1	0.1	ppbv
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	0.03	0.08	U	0.03	0.03	0.03	ppbv
74-83-9	Bromomethane	0.05	0.19	U	0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	0.1	0.26	U	0.1	0.1	0.1	ppbv
75-69-4	Trichlorofluoromethane	0.21	1.18		0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.05	0.35	U	0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.05	0.38	U	0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	0.05	0.22	U	0.03	0.05	0.1	ppbv
142-82-5	Heptane	1	4.1		0.1	0.1	0.1	ppbv
75-35-4	1,1-Dichloroethene	0.05	0.2	U	0.05	0.05	0.1	ppbv
67-64-1	Acetone	8.2	19.5		0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	0.05	0.16	U	0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.05	0.18	U	0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	0.84	2.92		0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	0.05	0.16	U	0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.1	0.1	0.1	ppbv
75-34-3	1,1-Dichloroethane	0.05	0.2	U	0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	0.22	0.76		0.1	0.1	0.1	ppbv
78-93-3	2-Butanone	0.68	2.01		0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	0.06	0.38		0.03	0.03	0.03	ppbv
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.1	0.1	0.1	ppbv
67-66-3	Chloroform	0.05	0.24	U	0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	0.1	0.36	U	0.1	0.1	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.03	0.03	0.03	ppbv
109-99-9	Tetrahydrofuran	1.2	3.54		0.1	0.1	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	0.2	0.93		0.04	0.05	0.1	ppbv
71-43-2	Benzene	4	12.8		0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.1	0.1	0.1	ppbv
79-01-6	Trichloroethene	0.05	0.27		0.03	0.03	0.03	ppbv
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.1	0.1	0.1	ppbv
75-27-4	Bromodichloromethane	0.05	0.33	U	0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	0.05	0.2	U	0.05	0.05	0.1	ppbv
108-88-3	Toluene	14.1	53.1		0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.1	0.1	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.1	0.1	0.1	ppbv

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SG-1	SDG No.:	E1298
Lab Sample ID:	E1298-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018950.D	1		02/16/13	VL021613

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.1	0.1	0.1	ppbv
124-48-1	Dibromochloromethane	0.05	0.43	U	0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.1	0.1	0.1	ppbv
127-18-4	Tetrachloroethene	0.49	3.32		0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	0.1	0.46	U	0.1	0.1	0.1	ppbv
100-41-4	Ethyl Benzene	1.3	5.65		0.1	0.1	0.1	ppbv
179601-23-1	m/p-Xylene	4.4	19.1		0.2	0.2	0.2	ppbv
95-47-6	o-Xylene	0.84	3.65		0.1	0.1	0.1	ppbv
100-42-5	Styrene	0.1	0.43	U	0.1	0.1	0.1	ppbv
75-25-2	Bromoform	0.05	0.52	U	0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54		0.1	0.1	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	0.47	2.31		0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	0.25	1.23		0.1	0.1	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.05	0.37	U	0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.1	0.1	0.1	ppbv
106-99-0	1,3-Butadiene	0.1	0.22	U	0.1	0.1	0.1	ppbv
110-54-3	Hexane	2.5	8.81		0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.7			65 - 135		107%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	423645		6.66				
540-36-3	1,4-Difluorobenzene	1107170		8.34				
3114-55-4	Chlorobenzene-d5	999547		13.77				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SG-2	SDG No.:	E1298
Lab Sample ID:	E1298-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018951.D	1		02/16/13	VL021613

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.38	1.88		0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	0.4	0.83		0.1	0.1	0.1	ppbv
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	0.03	0.08	U	0.03	0.03	0.03	ppbv
74-83-9	Bromomethane	0.05	0.19	U	0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	0.1	0.26	U	0.1	0.1	0.1	ppbv
75-69-4	Trichlorofluoromethane	0.2	1.12		0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.05	0.35	U	0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.05	0.38	U	0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	0.05	0.22	U	0.03	0.05	0.1	ppbv
142-82-5	Heptane	1.7	6.97		0.1	0.1	0.1	ppbv
75-35-4	1,1-Dichloroethene	0.05	0.2	U	0.05	0.05	0.1	ppbv
67-64-1	Acetone	10.5	24.9		0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	0.22	0.69		0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.05	0.18	U	0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	0.05	0.17	U	0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	0.05	0.16	U	0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.1	0.1	0.1	ppbv
75-34-3	1,1-Dichloroethane	0.05	0.2	U	0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	0.33	1.14		0.1	0.1	0.1	ppbv
78-93-3	2-Butanone	1.4	4.13		0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	0.06	0.38		0.03	0.03	0.03	ppbv
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.1	0.1	0.1	ppbv
67-66-3	Chloroform	0.05	0.24	U	0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	0.1	0.36	U	0.1	0.1	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.03	0.03	0.03	ppbv
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.1	0.1	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	0.49	2.29		0.04	0.05	0.1	ppbv
71-43-2	Benzene	4.6	14.7		0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.1	0.1	0.1	ppbv
79-01-6	Trichloroethene	0.03	0.16	U	0.03	0.03	0.03	ppbv
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.1	0.1	0.1	ppbv
75-27-4	Bromodichloromethane	0.05	0.33	U	0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	0.05	0.2	U	0.05	0.05	0.1	ppbv
108-88-3	Toluene	13.1	49.4		0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.1	0.1	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.1	0.1	0.1	ppbv

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SG-2	SDG No.:	E1298
Lab Sample ID:	E1298-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018951.D	1		02/16/13	VL021613

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.1	0.1	0.1	ppbv
124-48-1	Dibromochloromethane	0.05	0.43	U	0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.1	0.1	0.1	ppbv
127-18-4	Tetrachloroethene	1.3	8.82		0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	0.1	0.46	U	0.1	0.1	0.1	ppbv
100-41-4	Ethyl Benzene	1.5	6.52		0.1	0.1	0.1	ppbv
179601-23-1	m/p-Xylene	6	26.1		0.2	0.2	0.2	ppbv
95-47-6	o-Xylene	2	8.69		0.1	0.1	0.1	ppbv
100-42-5	Styrene	0.1	0.43	U	0.1	0.1	0.1	ppbv
75-25-2	Bromoform	0.05	0.52	U	0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	1.4	6.88		0.1	0.1	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	5.4	26.6		0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	1.3	6.39		0.1	0.1	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.05	0.37	U	0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.1	0.1	0.1	ppbv
106-99-0	1,3-Butadiene	0.1	0.22	U	0.1	0.1	0.1	ppbv
110-54-3	Hexane	4.6	16.2		0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.9			65 - 135		109%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	439425		6.66				
540-36-3	1,4-Difluorobenzene	1145390		8.34				
3114-55-4	Chlorobenzene-d5	1059010		13.77				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SG-3	SDG No.:	E1298
Lab Sample ID:	E1298-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018952.D	1		02/16/13	VL021613

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.38	1.88		0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	0.39	1.18		0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	0.33	0.68		0.1	0.1	0.1	ppbv
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	0.03	0.08	U	0.03	0.03	0.03	ppbv
74-83-9	Bromomethane	0.05	0.19	U	0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	0.1	0.26	U	0.1	0.1	0.1	ppbv
75-69-4	Trichlorofluoromethane	0.2	1.12		0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.05	0.35	U	0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.05	0.38	U	0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	0.05	0.22	U	0.03	0.05	0.1	ppbv
142-82-5	Heptane	4.7	19.3		0.1	0.1	0.1	ppbv
75-35-4	1,1-Dichloroethene	0.05	0.2	U	0.05	0.05	0.1	ppbv
67-64-1	Acetone	0.1	0.24	U	0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	0.05	0.16	U	0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.05	0.18	U	0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	0.05	0.17	U	0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	0.05	0.16	U	0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.1	0.1	0.1	ppbv
75-34-3	1,1-Dichloroethane	0.05	0.2	U	0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	2.8	9.64		0.1	0.1	0.1	ppbv
78-93-3	2-Butanone	0.9	2.65		0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	0.06	0.38		0.03	0.03	0.03	ppbv
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.1	0.1	0.1	ppbv
67-66-3	Chloroform	0.05	0.24	U	0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	0.1	0.36	U	0.1	0.1	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.03	0.03	0.03	ppbv
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.1	0.1	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	6.4	29.9		0.04	0.05	0.1	ppbv
71-43-2	Benzene	9.7	31.0		0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.1	0.1	0.1	ppbv
79-01-6	Trichloroethene	0.03	0.16	U	0.03	0.03	0.03	ppbv
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.1	0.1	0.1	ppbv
75-27-4	Bromodichloromethane	0.05	0.33	U	0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	0.05	0.2	U	0.05	0.05	0.1	ppbv
108-88-3	Toluene	16	60.3	E	0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.1	0.1	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.1	0.1	0.1	ppbv

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SG-3	SDG No.:	E1298
Lab Sample ID:	E1298-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018952.D	1		02/16/13	VL021613

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.1	0.1	0.1	ppbv
124-48-1	Dibromochloromethane	0.05	0.43	U	0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.1	0.1	0.1	ppbv
127-18-4	Tetrachloroethene	1.7	11.5		0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	0.1	0.46	U	0.1	0.1	0.1	ppbv
100-41-4	Ethyl Benzene	3.3	14.3		0.1	0.1	0.1	ppbv
179601-23-1	m/p-Xylene	11.2	48.6		0.2	0.2	0.2	ppbv
95-47-6	o-Xylene	4.1	17.8		0.1	0.1	0.1	ppbv
100-42-5	Styrene	0.7	2.98		0.1	0.1	0.1	ppbv
75-25-2	Bromoform	0.05	0.52	U	0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	1.3	6.39		0.1	0.1	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	4.5	22.1		0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	1.5	7.37		0.1	0.1	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.05	0.37	U	0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.1	0.1	0.1	ppbv
106-99-0	1,3-Butadiene	0.1	0.22	U	0.1	0.1	0.1	ppbv
110-54-3	Hexane	10.5	37.0		0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	11			65 - 135		110%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	436356		6.67				
540-36-3	1,4-Difluorobenzene	1188730		8.34				
3114-55-4	Chlorobenzene-d5	1118860		13.77				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SG-3DL	SDG No.:	E1298
Lab Sample ID:	E1298-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018977.D	10		02/19/13	VL021813

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.5	2.47	UD	0.4	0.5	1	ppbv
75-65-0	tert-Butyl alcohol	1	3.03	UD	1	1	1	ppbv
74-87-3	Chloromethane	1	2.07	UD	1	1	1	ppbv
80-62-6	Methyl Methacrylate	1	4.09	UD	1	1	1	ppbv
75-01-4	Vinyl Chloride	0.3	0.77	UD	0.3	0.3	0.3	ppbv
74-83-9	Bromomethane	0.5	1.94	UD	0.3	0.5	1	ppbv
75-00-3	Chloroethane	1	2.64	UD	1	1	1	ppbv
75-69-4	Trichlorofluoromethane	0.5	2.81	UD	0.4	0.5	1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.5	3.49	UD	0.4	0.5	1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	3.83	UD	0.4	0.5	1	ppbv
593-60-2	Bromoethene	0.5	2.19	UD	0.3	0.5	1	ppbv
142-82-5	Heptane	4.5	18.4	D	1	1	1	ppbv
75-35-4	1,1-Dichloroethene	0.5	1.98	UD	0.5	0.5	1	ppbv
67-64-1	Acetone	1	2.38	UD	1	1	1	ppbv
75-15-0	Carbon Disulfide	0.5	1.56	UD	0.5	0.5	1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.5	1.8	UD	0.5	0.5	1	ppbv
75-09-2	Methylene Chloride	0.5	1.74	UD	0.5	0.5	1	ppbv
107-05-1	Allyl Chloride	0.5	1.57	UD	0.5	0.5	1	ppbv
156-60-5	trans-1,2-Dichloroethene	1	3.96	UD	1	1	1	ppbv
75-34-3	1,1-Dichloroethane	0.5	2.02	UD	0.4	0.5	1	ppbv
110-82-7	Cyclohexane	2.7	9.29	D	1	1	1	ppbv
78-93-3	2-Butanone	1.3	3.83	D	1	1	1	ppbv
56-23-5	Carbon Tetrachloride	0.3	1.89	UD	0.3	0.3	0.3	ppbv
156-59-2	cis-1,2-Dichloroethene	1	3.96	UD	1	1	1	ppbv
67-66-3	Chloroform	0.5	2.44	UD	0.2	0.5	1	ppbv
123-91-1	1,4-Dioxane	1	3.6	UDQ	1	1	1	ppbv
71-55-6	1,1,1-Trichloroethane	0.3	1.64	UD	0.3	0.3	0.3	ppbv
109-99-9	Tetrahydrofuran	1	2.95	UD	1	1	1	ppbv
540-84-1	2,2,4-Trimethylpentane	6.7	31.3	D	0.4	0.5	1	ppbv
71-43-2	Benzene	11.1	35.5	D	0.4	0.5	1	ppbv
107-06-2	1,2-Dichloroethane	1	4.05	UD	1	1	1	ppbv
79-01-6	Trichloroethene	0.3	1.61	UD	0.3	0.3	0.3	ppbv
78-87-5	1,2-Dichloropropane	1	4.62	UD	1	1	1	ppbv
75-27-4	Bromodichloromethane	0.5	3.35	UD	0.5	0.5	1	ppbv
108-10-1	4-Methyl-2-Pentanone	0.5	2.05	UD	0.5	0.5	1	ppbv
108-88-3	Toluene	21.1	79.5	D	0.5	0.5	1	ppbv
10061-02-6	t-1,3-Dichloropropene	1	4.54	UD	1	1	1	ppbv
10061-01-5	cis-1,3-Dichloropropene	1	4.54	UD	1	1	1	ppbv

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	02/12/13
Project:	Samoo Architects	Date Received:	02/13/13
Client Sample ID:	SG-3DL	SDG No.:	E1298
Lab Sample ID:	E1298-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018977.D	10		02/19/13	VL021813

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	5.46	UD	1	1	1	ppbv
124-48-1	Dibromochloromethane	0.5	4.26	UD	0.5	0.5	1	ppbv
106-93-4	1,2-Dibromoethane	1	7.69	UD	1	1	1	ppbv
127-18-4	Tetrachloroethene	1.7	11.5	D	0.3	0.3	0.3	ppbv
108-90-7	Chlorobenzene	1	4.61	UD	1	1	1	ppbv
100-41-4	Ethyl Benzene	2.8	12.2	D	1	1	1	ppbv
179601-23-1	m/p-Xylene	10.8	46.9	D	2	2	2	ppbv
95-47-6	o-Xylene	3.7	16.1	D	1	1	1	ppbv
100-42-5	Styrene	1	4.26	UD	1	1	1	ppbv
75-25-2	Bromoform	0.5	5.17	UD	0.5	0.5	1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	UD	1	1	1	ppbv
95-49-8	2-Chlorotoluene	1	5.18	UD	1	1	1	ppbv
108-67-8	1,3,5-Trimethylbenzene	1	4.92	D	1	1	1	ppbv
95-63-6	1,2,4-Trimethylbenzene	4.1	20.2	D	1	1	1	ppbv
622-96-8	4-Ethyltoluene	1.3	6.39	D	1	1	1	ppbv
541-73-1	1,3-Dichlorobenzene	1	6.01	UD	1	1	1	ppbv
106-46-7	1,4-Dichlorobenzene	1	6.01	UD	1	1	1	ppbv
95-50-1	1,2-Dichlorobenzene	1	6.01	UD	1	1	1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.5	3.71	UD	0.4	0.5	1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	UD	1	1	1	ppbv
106-99-0	1,3-Butadiene	1	2.21	UD	1	1	1	ppbv
110-54-3	Hexane	10.8	38.1	D	0.4	0.5	1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135		106%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	479461		6.647				
540-36-3	1,4-Difluorobenzene	1224460		8.33				
3114-55-4	Chlorobenzene-d5	1116450		13.755				

QC SUMMARY

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Surrogate Summary

SDG No.: E1298

Client: Sustainable Management LLC

Analytical Method: EPA SW846 TO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
E1298-01	SG-1	1-Bromo-4-Fluorobenzene	10	10.69	107		65	135
E1298-02	SG-2	1-Bromo-4-Fluorobenzene	10	10.91	109		65	135
E1298-03	SG-3	1-Bromo-4-Fluorobenzene	10	11.02	110		65	135
E1298-03DL	SG-3DL	1-Bromo-4-Fluorobenzene	10	10.59	106		65	135
VL0216ABL	VL0216ABL	1-Bromo-4-Fluorobenzene	10	10.82	108		65	135
VL0216ABS	VL0216ABS	1-Bromo-4-Fluorobenzene	10	10.15	101		65	135
VL0218ABL	VL0218ABL	1-Bromo-4-Fluorobenzene	10	10.29	103		65	135
VL0218ABS	VL0218ABS	1-Bromo-4-Fluorobenzene	10	10.41	104		65	135

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Air VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1298 **SAS No :** E1298 **SDG No:** E1298

Matrix Spike - EPA Sample No : VL0216ABS **Analytical Method:** EPA SW846 TO-15 **Datafile :** VL018944.D

COMPOUND	SPIKE ADDED (ppbv)	CONCENTRATION (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC#	QC LIMITS REC
Ethyl Benzene	10		8.6	86	(70-130)
Styrene	10		9	90	(70-130)
cis-1,3-Dichloropropene	10		9.3	93	(70-130)
t-1,3-Dichloropropene	10		9.4	94	(70-130)
1,4-Dichlorobenzene	10		8.3	83	(70-130)
1,2-Dibromoethane	10		8.9	89	(70-130)
1,3-Butadiene	10		10.1	101	(70-130)
Allyl Chloride	10		9.8	98	(70-130)
1,2-Dichloroethane	10		9.2	92	(70-130)
4-Methyl-2-Pentanone	10		9.1	91	(70-130)
1,3,5-Trimethylbenzene	10		8.6	86	(70-130)
Toluene	10		8.7	87	(70-130)
Chlorobenzene	10		8.2	82	(70-130)
Tetrahydrofuran	10		9.2	92	(70-130)
Hexane	10		9	90	(70-130)
Cyclohexane	10		9.4	94	(70-130)
1,2,4-Trichlorobenzene	10		8	80	(70-130)
1,4-Dioxane	10		8.5	85	(70-130)
Dibromochloromethane	10		9.3	93	(70-130)
Tetrachloroethene	10		8.5	85	(70-130)
Heptane	10		9.3	93	(70-130)
cis-1,2-Dichloroethene	10		9.7	97	(70-130)
trans-1,2-Dichloroethene	10		9.6	96	(70-130)
Methyl tert-Butyl Ether	10		9.5	95	(70-130)
m/p-Xylene	20		16.9	85	(70-130)
2,2,4-Trimethylpentane	10		8.3	83	(70-130)
1,3-Dichlorobenzene	10		8.2	82	(70-130)
Carbon Tetrachloride	10		8.8	88	(70-130)
Bromoethene	10		10.2	102	(70-130)
4-Ethyltoluene	10		8.8	88	(70-130)
Acetone	10		8.9	89	(70-130)
Chloroform	10		9.7	97	(70-130)
Benzene	10		8.6	86	(70-130)
1,1,1-Trichloroethane	10		9.7	97	(70-130)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments:

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Air VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1298 **SAS No :** E1298 **SDG No:** E1298

Matrix Spike - EPA Sample No : VL0216ABS **Analytical Method:** EPA SW846 TO-15 **Datafile :** VL018944.D

COMPOUND	SPIKE ADDED (ppbv)	CONCENTRATION (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC#	QC LIMITS REC
Bromomethane	10		10.4	104	(70-130)
Chloromethane	10		10.2	102	(70-130)
Chloroethane	10		10.4	104	(70-130)
Vinyl Chloride	10		10.3	103	(70-130)
Methylene Chloride	10		9.2	92	(70-130)
Carbon Disulfide	10		10.4	104	(70-130)
Bromoform	10		9.4	94	(70-130)
Bromodichloromethane	10		9.4	94	(70-130)
1,1-Dichloroethane	10		9.6	96	(70-130)
1,1-Dichloroethene	10		10.1	101	(70-130)
tert-Butyl alcohol	10		10.9	109	(70-130)
Trichlorofluoromethane	10		10.2	102	(70-130)
Dichlorodifluoromethane	10		10.9	109	(70-130)
1,1,2-Trichlorotrifluoroethane	10		9.9	99	(70-130)
Dichlorotetrafluoroethane	10		10.6	106	(70-130)
1,2-Dichloropropane	10		9	90	(70-130)
2-Butanone	10		8.7	87	(70-130)
1,1,2-Trichloroethane	10		8.8	88	(70-130)
Trichloroethene	10		8.5	85	(70-130)
1,1,2,2-Tetrachloroethane	10		8.2	82	(70-130)
Methyl Methacrylate	10		10.1	101	(70-130)
Hexachloro-1,3-Butadiene	10		8.6	86	(70-130)
o-Xylene	10		8.2	82	(70-130)
2-Chlorotoluene	10		9.5	95	(70-130)
1,2-Dichlorobenzene	10		8.3	83	(70-130)
1,2,4-Trimethylbenzene	10		8.1	81	(70-130)

RPD : 0 Out of 60 outside limits

Spike Recovery : 0 Out of 60 outside limits

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Air VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1298 **SAS No :** E1298 **SDG No:** E1298

Matrix Spike - EPA Sample No : VL0218ABS **Analytical Method:** EPA SW846 TO-15 **Datafile :** VL018963.D

COMPOUND	SPIKE ADDED (ppbv)	CONCENTRATION (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC#	QC LIMITS REC
Ethyl Benzene	10		9.7	97	(70-130)
Styrene	10		10	100	(70-130)
cis-1,3-Dichloropropene	10		10.3	103	(70-130)
t-1,3-Dichloropropene	10		10.4	104	(70-130)
1,4-Dichlorobenzene	10		9.6	96	(70-130)
1,2-Dibromoethane	10		9.3	93	(70-130)
1,3-Butadiene	10		9.6	96	(70-130)
Allyl Chloride	10		9.8	98	(70-130)
1,2-Dichloroethane	10		9.3	93	(70-130)
4-Methyl-2-Pentanone	10		9.6	96	(70-130)
1,3,5-Trimethylbenzene	10		9.8	98	(70-130)
Toluene	10		9.5	95	(70-130)
Chlorobenzene	10		8.8	88	(70-130)
Tetrahydrofuran	10		9.7	97	(70-130)
Hexane	10		9.3	93	(70-130)
Cyclohexane	10		9.8	98	(70-130)
1,2,4-Trichlorobenzene	10		12	120	(70-130)
1,4-Dioxane	10		6.9	69*	(70-130)
Dibromochloromethane	10		9.8	98	(70-130)
Tetrachloroethene	10		9.1	91	(70-130)
Heptane	10		9.7	97	(70-130)
cis-1,2-Dichloroethene	10		9.9	99	(70-130)
trans-1,2-Dichloroethene	10		9.8	98	(70-130)
Methyl tert-Butyl Ether	10		9.9	99	(70-130)
m/p-Xylene	20		18.6	93	(70-130)
2,2,4-Trimethylpentane	10		8.8	88	(70-130)
1,3-Dichlorobenzene	10		9.4	94	(70-130)
Carbon Tetrachloride	10		8.8	88	(70-130)
Bromoethene	10		9.9	99	(70-130)
4-Ethyltoluene	10		10.1	101	(70-130)
Acetone	10		8.9	89	(70-130)
Chloroform	10		9.5	95	(70-130)
Benzene	10		9.2	92	(70-130)
1,1,1-Trichloroethane	10		9.8	98	(70-130)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

Air VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Sustainable Management LLC

Lab Code: CHEM **Cas No:** E1298 **SAS No :** E1298 **SDG No:** E1298

Matrix Spike - EPA Sample No : VL0218ABS **Analytical Method:** EPA SW846 TO-15 **Datafile :** VL018963.D

COMPOUND	SPIKE ADDED (ppbv)	CONCENTRATION (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC#	QC LIMITS REC
Bromomethane	10		9.9	99	(70-130)
Chloromethane	10		9.5	95	(70-130)
Chloroethane	10		10	100	(70-130)
Vinyl Chloride	10		9.9	99	(70-130)
Methylene Chloride	10		8.9	89	(70-130)
Carbon Disulfide	10		10.4	104	(70-130)
Bromoform	10		10.2	102	(70-130)
Bromodichloromethane	10		9.4	94	(70-130)
1,1-Dichloroethane	10		9.4	94	(70-130)
1,1-Dichloroethene	10		10.1	101	(70-130)
tert-Butyl alcohol	10		10.6	106	(70-130)
Trichlorofluoromethane	10		9.9	99	(70-130)
Dichlorodifluoromethane	10		9.3	93	(70-130)
1,1,2-Trichlorotrifluoroethane	10		9.8	98	(70-130)
Dichlorotetrafluoroethane	10		9.4	94	(70-130)
1,2-Dichloropropane	10		9.1	91	(70-130)
2-Butanone	10		9.1	91	(70-130)
1,1,2-Trichloroethane	10		9.2	92	(70-130)
Trichloroethene	10		9	90	(70-130)
1,1,2,2-Tetrachloroethane	10		9	90	(70-130)
Methyl Methacrylate	10		10.8	108	(70-130)
Hexachloro-1,3-Butadiene	10		10.7	107	(70-130)
o-Xylene	10		9.3	93	(70-130)
2-Chlorotoluene	10		10.9	109	(70-130)
1,2-Dichlorobenzene	10		9.7	97	(70-130)
1,2,4-Trimethylbenzene	10		9.3	93	(70-130)

RPD : 0 Out of 60 outside limits

Spike Recovery : 1 Out of 60 outside limits

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0216ABL

Lab Name: CHEMTECH

Contract: SUST01

Lab Code: CHEM

Case No.: E1298

SAS No.: E1298

SDG NO.: E1298

Lab File ID: VL018943.D

Lab Sample ID: VL0216ABL

Date Analyzed: 02/16/2013

Time Analyzed: 03:33

GC Column: RTX-1

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL0216ABS	VL0216ABS	VL018944.D	02/16/2013
SG-1	E1298-01	VL018950.D	02/16/2013
SG-2	E1298-02	VL018951.D	02/16/2013
SG-3	E1298-03	VL018952.D	02/16/2013

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0218ABL

Lab Name: CHEMTECH

Contract: SUST01

Lab Code: CHEM

Case No.: E1298

SAS No.: E1298

SDG NO.: E1298

Lab File ID: VL018962.D

Lab Sample ID: VL0218ABL

Date Analyzed: 02/18/2013

Time Analyzed: 19:47

GC Column: RTX-1

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL0218ABS	VL0218ABS	VL018963.D	02/18/2013
SG-3DL	E1298-03DL	VL018977.D	02/19/2013

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1298 SAS No.: E1298 SDG NO.: E1298

Lab File ID: VL018936.D BFB Injection Date: 02/15/2013

Instrument ID: MSVOA_L BFB Injection Time: 22:15

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.4
75	30.0 - 66.0% of mass 95	50.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (1.2) 1
174	50.0 - 120.0% of mass 95	58.4
175	4.0 - 9.0% of mass 174	4.5 (7.7) 1
176	93.0 - 101.0% of mass 174	56 (95.9) 1
177	5.0 - 9.0% of mass 176	3.6 (6.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL018937.D	02/15/2013	23:05
VSTDICC002	VSTDICC002	VL018938.D	02/15/2013	23:47
VSTDICC001	VSTDICC001	VL018939.D	02/16/2013	00:25
VSTDICC0.5	VSTDICC0.5	VL018940.D	02/16/2013	01:02
VSTDICC015	VSTDICC015	VL018941.D	02/16/2013	01:44
VL0216ABL	VL0216ABL	VL018943.D	02/16/2013	03:33
VL0216ABS	VL0216ABS	VL018944.D	02/16/2013	04:31
0.1 PPBV RPT	0.1 PPBV RPT	VL018945.D	02/16/2013	05:16
0.03 PPBV RPT	0.03 PPBV RPT	VL018946.D	02/16/2013	05:53
SG-1	E1298-01	VL018950.D	02/16/2013	08:45
SG-2	E1298-02	VL018951.D	02/16/2013	09:27
SG-3	E1298-03	VL018952.D	02/16/2013	10:08

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1298 SAS No.: E1298 SDG NO.: E1298

Lab File ID: VL018955.D BFB Injection Date: 02/18/2013

Instrument ID: MSVOA_L BFB Injection Time: 14:46

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.3
75	30.0 - 66.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (1.1) 1
174	50.0 - 120.0% of mass 95	56.5
175	4.0 - 9.0% of mass 174	4.3 (7.6) 1
176	93.0 - 101.0% of mass 174	53.6 (94.9) 1
177	5.0 - 9.0% of mass 176	3.6 (6.7) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL018956.D	02/18/2013	15:24
VSTDICC002	VSTDICC002	VL018957.D	02/18/2013	16:06
VSTDICC001	VSTDICC001	VL018958.D	02/18/2013	16:44
VSTDICC0.5	VSTDICC0.5	VL018959.D	02/18/2013	17:22
VSTDICC015	VSTDICC015	VL018960.D	02/18/2013	18:04
VL0218ABL	VL0218ABL	VL018962.D	02/18/2013	19:47
VL0218ABS	VL0218ABS	VL018963.D	02/18/2013	20:38
0.1 PPBV RPT	0.1 PPBV RPT	VL018964.D	02/18/2013	21:15
0.03 PPBV RPT	0.03 PPBV RPT	VL018965.D	02/18/2013	21:53
SG-3DL	E1298-03DL	VL018977.D	02/19/2013	05:59

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1298 SAS No.: E1298 SDG NO.: E1298

Lab File ID: VL018937.D Date Analyzed: 02/15/2013

Instrument ID: MSVOA_L Time Analyzed: 23:05

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	493737	6.67	1464330	8.35	1412240	13.77
UPPER LIMIT	691232	7.00	2050060	8.68	1977140	14.10
LOWER LIMIT	296242	6.34	878599	8.02	847344	13.44
EPA SAMPLE NO.						
SG-1	423645	6.66	1107170	8.34	999547	13.77
SG-2	439425	6.66	1145390	8.34	1059010	13.77
SG-3	436356	6.67	1188730	8.34	1118860	13.77
VL0216ABL	528411	6.67	1352700	8.34	1266760	13.77
VL0216ABS	463801	6.67	1362280	8.35	1356590	13.78

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1298 SAS No.: E1298 SDG NO.: E1298

Lab File ID: VL018956.D Date Analyzed: 02/18/2013

Instrument ID: MSVOA_L Time Analyzed: 15:24

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	413382	6.64	1165950	8.32	1025550	13.74
UPPER LIMIT	578735	6.97	1632330	8.65	1435760	14.07
LOWER LIMIT	248029	6.31	699572	7.99	615328	13.41
EPA SAMPLE NO.						
SG-3DL	479461	6.65	1224460	8.33	1116450	13.76
VL0218ABL	505284	6.63	1242850	8.31	1091850	13.73
VL0218ABS	435740	6.64	1216800	8.32	1054710	13.74

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VL0216ABL	SDG No.:	E1298
Lab Sample ID:	VL0216ABL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018943.D	1		02/16/13	VL021613

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.05	0.25	U	0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	0.1	0.21	U	0.1	0.1	0.1	ppbv
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	0.03	0.08	U	0.03	0.03	0.03	ppbv
74-83-9	Bromomethane	0.05	0.19	U	0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	0.1	0.26	U	0.1	0.1	0.1	ppbv
75-69-4	Trichlorofluoromethane	0.05	0.28	U	0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.05	0.35	U	0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.05	0.38	U	0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	0.05	0.22	U	0.03	0.05	0.1	ppbv
142-82-5	Heptane	0.1	0.41	U	0.1	0.1	0.1	ppbv
75-35-4	1,1-Dichloroethene	0.05	0.2	U	0.05	0.05	0.1	ppbv
67-64-1	Acetone	0.1	0.24	U	0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	0.05	0.16	U	0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.05	0.18	U	0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	0.05	0.17	U	0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	0.05	0.16	U	0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.1	0.1	0.1	ppbv
75-34-3	1,1-Dichloroethane	0.05	0.2	U	0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	0.1	0.34	U	0.1	0.1	0.1	ppbv
78-93-3	2-Butanone	0.1	0.29	U	0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	0.03	0.19	U	0.03	0.03	0.03	ppbv
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.1	0.1	0.1	ppbv
67-66-3	Chloroform	0.05	0.24	U	0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	0.1	0.36	U	0.1	0.1	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.03	0.03	0.03	ppbv
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.1	0.1	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	0.05	0.23	U	0.04	0.05	0.1	ppbv
71-43-2	Benzene	0.05	0.16	U	0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.1	0.1	0.1	ppbv
79-01-6	Trichloroethene	0.03	0.16	U	0.03	0.03	0.03	ppbv
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.1	0.1	0.1	ppbv
75-27-4	Bromodichloromethane	0.05	0.33	U	0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	0.05	0.2	U	0.05	0.05	0.1	ppbv
108-88-3	Toluene	0.05	0.19	U	0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.1	0.1	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.1	0.1	0.1	ppbv

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VL0216ABL	SDG No.:	E1298
Lab Sample ID:	VL0216ABL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018943.D	1		02/16/13	VL021613

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.1	0.1	0.1	ppbv
124-48-1	Dibromochloromethane	0.05	0.43	U	0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.1	0.1	0.1	ppbv
127-18-4	Tetrachloroethene	0.03	0.2	U	0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	0.1	0.46	U	0.1	0.1	0.1	ppbv
100-41-4	Ethyl Benzene	0.1	0.43	U	0.1	0.1	0.1	ppbv
179601-23-1	m/p-Xylene	0.2	0.87	U	0.2	0.2	0.2	ppbv
95-47-6	o-Xylene	0.1	0.43	U	0.1	0.1	0.1	ppbv
100-42-5	Styrene	0.1	0.43	U	0.1	0.1	0.1	ppbv
75-25-2	Bromoform	0.05	0.52	U	0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	0.1	0.49	U	0.1	0.1	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	0.1	0.49	U	0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	0.1	0.49	U	0.1	0.1	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.05	0.37	U	0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.1	0.1	0.1	ppbv
106-99-0	1,3-Butadiene	0.1	0.22	U	0.1	0.1	0.1	ppbv
110-54-3	Hexane	0.05	0.18	U	0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135		108%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	528411		6.67				
540-36-3	1,4-Difluorobenzene	1352700		8.34				
3114-55-4	Chlorobenzene-d5	1266760		13.77				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VL0218ABL	SDG No.:	E1298
Lab Sample ID:	VL0218ABL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018962.D	1		02/18/13	VL021813

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.05	0.25	U	0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	0.1	0.21	U	0.1	0.1	0.1	ppbv
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	0.03	0.08	U	0.03	0.03	0.03	ppbv
74-83-9	Bromomethane	0.05	0.19	U	0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	0.1	0.26	U	0.1	0.1	0.1	ppbv
75-69-4	Trichlorofluoromethane	0.05	0.28	U	0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	0.05	0.35	U	0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.05	0.38	U	0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	0.05	0.22	U	0.03	0.05	0.1	ppbv
142-82-5	Heptane	0.1	0.41	U	0.1	0.1	0.1	ppbv
75-35-4	1,1-Dichloroethene	0.05	0.2	U	0.05	0.05	0.1	ppbv
67-64-1	Acetone	0.1	0.24	U	0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	0.05	0.16	U	0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.05	0.18	U	0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	0.05	0.17	U	0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	0.05	0.16	U	0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.1	0.1	0.1	ppbv
75-34-3	1,1-Dichloroethane	0.05	0.2	U	0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	0.1	0.34	U	0.1	0.1	0.1	ppbv
78-93-3	2-Butanone	0.1	0.29	U	0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	0.03	0.19	U	0.03	0.03	0.03	ppbv
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.1	0.1	0.1	ppbv
67-66-3	Chloroform	0.05	0.24	U	0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	0.1	0.36	U	0.1	0.1	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.03	0.03	0.03	ppbv
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.1	0.1	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	0.05	0.23	U	0.04	0.05	0.1	ppbv
71-43-2	Benzene	0.05	0.16	U	0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.1	0.1	0.1	ppbv
79-01-6	Trichloroethene	0.03	0.16	U	0.03	0.03	0.03	ppbv
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.1	0.1	0.1	ppbv
75-27-4	Bromodichloromethane	0.05	0.33	U	0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	0.05	0.2	U	0.05	0.05	0.1	ppbv
108-88-3	Toluene	0.05	0.19	U	0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.1	0.1	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.1	0.1	0.1	ppbv

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VL0218ABL	SDG No.:	E1298
Lab Sample ID:	VL0218ABL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018962.D	1		02/18/13	VL021813

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.1	0.1	0.1	ppbv
124-48-1	Dibromochloromethane	0.05	0.43	U	0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.1	0.1	0.1	ppbv
127-18-4	Tetrachloroethene	0.03	0.2	U	0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	0.1	0.46	U	0.1	0.1	0.1	ppbv
100-41-4	Ethyl Benzene	0.1	0.43	U	0.1	0.1	0.1	ppbv
179601-23-1	m/p-Xylene	0.2	0.87	U	0.2	0.2	0.2	ppbv
95-47-6	o-Xylene	0.1	0.43	U	0.1	0.1	0.1	ppbv
100-42-5	Styrene	0.1	0.43	U	0.1	0.1	0.1	ppbv
75-25-2	Bromoform	0.05	0.52	U	0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	0.1	0.49	U	0.1	0.1	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	0.1	0.49	U	0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	0.1	0.49	U	0.1	0.1	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.1	0.1	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.05	0.37	U	0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.1	0.1	0.1	ppbv
106-99-0	1,3-Butadiene	0.1	0.22	U	0.1	0.1	0.1	ppbv
110-54-3	Hexane	0.05	0.18	U	0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.3			65 - 135		103%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	505284		6.63				
540-36-3	1,4-Difluorobenzene	1242850		8.31				
3114-55-4	Chlorobenzene-d5	1091850		13.73				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VL0216ABS	SDG No.:	E1298
Lab Sample ID:	VL0216ABS	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018944.D	1		02/16/13	VL021613

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	10.9	53.9		0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	10.9	33.0		0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	10.2	21.1		0.1	0.1	0.1	ppbv
80-62-6	Methyl Methacrylate	10.1	41.4		0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	10.3	26.3		0.03	0.03	0.03	ppbv
74-83-9	Bromomethane	10.4	40.4		0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	10.4	27.4		0.1	0.1	0.1	ppbv
75-69-4	Trichlorofluoromethane	10.2	57.3		0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	10.6	74.1		0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	9.9	75.9		0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	10.2	44.6		0.03	0.05	0.1	ppbv
142-82-5	Heptane	9.3	38.1		0.1	0.1	0.1	ppbv
75-35-4	1,1-Dichloroethene	10.1	40.0		0.05	0.05	0.1	ppbv
67-64-1	Acetone	8.9	21.1		0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	10.4	32.4		0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	9.5	34.2		0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	9.2	32.0		0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	9.8	30.7		0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	9.6	38.1		0.1	0.1	0.1	ppbv
75-34-3	1,1-Dichloroethane	9.6	38.9		0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	9.4	32.4		0.1	0.1	0.1	ppbv
78-93-3	2-Butanone	8.7	25.7		0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	8.8	55.4		0.03	0.03	0.03	ppbv
156-59-2	cis-1,2-Dichloroethene	9.7	38.5		0.1	0.1	0.1	ppbv
67-66-3	Chloroform	9.7	47.4		0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	8.5	30.6		0.1	0.1	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	9.7	52.9		0.03	0.03	0.03	ppbv
109-99-9	Tetrahydrofuran	9.2	27.1		0.1	0.1	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	8.3	38.8		0.04	0.05	0.1	ppbv
71-43-2	Benzene	8.6	27.5		0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	9.2	37.2		0.1	0.1	0.1	ppbv
79-01-6	Trichloroethene	8.5	45.7		0.03	0.03	0.03	ppbv
78-87-5	1,2-Dichloropropane	9	41.6		0.1	0.1	0.1	ppbv
75-27-4	Bromodichloromethane	9.4	63.0		0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	9.1	37.3		0.05	0.05	0.1	ppbv
108-88-3	Toluene	8.7	32.8		0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	9.4	42.7		0.1	0.1	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	9.3	42.2		0.1	0.1	0.1	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VL0216ABS	SDG No.:	E1298
Lab Sample ID:	VL0216ABS	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018944.D	1		02/16/13	VL021613

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	8.8	48.0		0.1	0.1	0.1	ppbv
124-48-1	Dibromochloromethane	9.3	79.2		0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	8.9	68.4		0.1	0.1	0.1	ppbv
127-18-4	Tetrachloroethene	8.5	57.6		0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	8.2	37.8		0.1	0.1	0.1	ppbv
100-41-4	Ethyl Benzene	8.6	37.4		0.1	0.1	0.1	ppbv
179601-23-1	m/p-Xylene	16.9	73.4		0.2	0.2	0.2	ppbv
95-47-6	o-Xylene	8.2	35.6		0.1	0.1	0.1	ppbv
100-42-5	Styrene	9	38.3		0.1	0.1	0.1	ppbv
75-25-2	Bromoform	9.4	97.2		0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	8.2	56.3		0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	9.5	49.2		0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	8.6	42.3		0.1	0.1	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	8.1	39.8		0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	8.8	43.3		0.1	0.1	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	8.2	49.3		0.1	0.1	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	8.3	49.9		0.1	0.1	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	8.3	49.9		0.1	0.1	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	8	59.4		0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	8.6	91.7		0.1	0.1	0.1	ppbv
106-99-0	1,3-Butadiene	10.1	22.3		0.1	0.1	0.1	ppbv
110-54-3	Hexane	9	31.7		0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.2			65 - 135		101%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	463801		6.67				
540-36-3	1,4-Difluorobenzene	1362280		8.35				
3114-55-4	Chlorobenzene-d5	1356590		13.78				

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Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VL0218ABS	SDG No.:	E1298
Lab Sample ID:	VL0218ABS	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018963.D	1		02/18/13	VL021813

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	9.3	46.0		0.04	0.05	0.1	ppbv
75-65-0	tert-Butyl alcohol	10.6	32.1		0.1	0.1	0.1	ppbv
74-87-3	Chloromethane	9.5	19.6		0.1	0.1	0.1	ppbv
80-62-6	Methyl Methacrylate	10.8	44.2		0.1	0.1	0.1	ppbv
75-01-4	Vinyl Chloride	9.9	25.3		0.03	0.03	0.03	ppbv
74-83-9	Bromomethane	9.9	38.4		0.03	0.05	0.1	ppbv
75-00-3	Chloroethane	10	26.4		0.1	0.1	0.1	ppbv
75-69-4	Trichlorofluoromethane	9.9	55.6		0.04	0.05	0.1	ppbv
76-14-2	Dichlorotetrafluoroethane	9.4	65.7		0.04	0.05	0.1	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	9.8	75.1		0.04	0.05	0.1	ppbv
593-60-2	Bromoethene	9.9	43.3		0.03	0.05	0.1	ppbv
142-82-5	Heptane	9.7	39.8		0.1	0.1	0.1	ppbv
75-35-4	1,1-Dichloroethene	10.1	40.0		0.05	0.05	0.1	ppbv
67-64-1	Acetone	8.9	21.1		0.1	0.1	0.1	ppbv
75-15-0	Carbon Disulfide	10.4	32.4		0.05	0.05	0.1	ppbv
1634-04-4	Methyl tert-Butyl Ether	9.9	35.7		0.05	0.05	0.1	ppbv
75-09-2	Methylene Chloride	8.9	30.9		0.05	0.05	0.1	ppbv
107-05-1	Allyl Chloride	9.8	30.7		0.05	0.05	0.1	ppbv
156-60-5	trans-1,2-Dichloroethene	9.8	38.9		0.1	0.1	0.1	ppbv
75-34-3	1,1-Dichloroethane	9.4	38.0		0.04	0.05	0.1	ppbv
110-82-7	Cyclohexane	9.8	33.7		0.1	0.1	0.1	ppbv
78-93-3	2-Butanone	9.1	26.8		0.1	0.1	0.1	ppbv
56-23-5	Carbon Tetrachloride	8.8	55.4		0.03	0.03	0.03	ppbv
156-59-2	cis-1,2-Dichloroethene	9.9	39.2		0.1	0.1	0.1	ppbv
67-66-3	Chloroform	9.5	46.4		0.02	0.05	0.1	ppbv
123-91-1	1,4-Dioxane	6.9	24.9		0.1	0.1	0.1	ppbv
71-55-6	1,1,1-Trichloroethane	9.8	53.5		0.03	0.03	0.03	ppbv
109-99-9	Tetrahydrofuran	9.7	28.6		0.1	0.1	0.1	ppbv
540-84-1	2,2,4-Trimethylpentane	8.8	41.1		0.04	0.05	0.1	ppbv
71-43-2	Benzene	9.2	29.4		0.04	0.05	0.1	ppbv
107-06-2	1,2-Dichloroethane	9.3	37.6		0.1	0.1	0.1	ppbv
79-01-6	Trichloroethene	9	48.4		0.03	0.03	0.03	ppbv
78-87-5	1,2-Dichloropropane	9.1	42.1		0.1	0.1	0.1	ppbv
75-27-4	Bromodichloromethane	9.4	63.0		0.05	0.05	0.1	ppbv
108-10-1	4-Methyl-2-Pentanone	9.6	39.3		0.05	0.05	0.1	ppbv
108-88-3	Toluene	9.5	35.8		0.05	0.05	0.1	ppbv
10061-02-6	t-1,3-Dichloropropene	10.4	47.2		0.1	0.1	0.1	ppbv
10061-01-5	cis-1,3-Dichloropropene	10.3	46.8		0.1	0.1	0.1	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Sustainable Management LLC	Date Collected:	
Project:	Samoo Architects	Date Received:	
Client Sample ID:	VL0218ABS	SDG No.:	E1298
Lab Sample ID:	VL0218ABS	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL018963.D	1		02/18/13	VL021813

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	9.2	50.2		0.1	0.1	0.1	ppbv
124-48-1	Dibromochloromethane	9.8	83.5		0.05	0.05	0.1	ppbv
106-93-4	1,2-Dibromoethane	9.3	71.5		0.1	0.1	0.1	ppbv
127-18-4	Tetrachloroethene	9.1	61.7		0.03	0.03	0.03	ppbv
108-90-7	Chlorobenzene	8.8	40.5		0.1	0.1	0.1	ppbv
100-41-4	Ethyl Benzene	9.7	42.1		0.1	0.1	0.1	ppbv
179601-23-1	m/p-Xylene	18.6	80.8		0.2	0.2	0.2	ppbv
95-47-6	o-Xylene	9.3	40.4		0.1	0.1	0.1	ppbv
100-42-5	Styrene	10	42.6		0.1	0.1	0.1	ppbv
75-25-2	Bromoform	10.2	105		0.05	0.05	0.1	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	9	61.8		0.1	0.1	0.1	ppbv
95-49-8	2-Chlorotoluene	10.9	56.4		0.1	0.1	0.1	ppbv
108-67-8	1,3,5-Trimethylbenzene	9.8	48.2		0.1	0.1	0.1	ppbv
95-63-6	1,2,4-Trimethylbenzene	9.3	45.7		0.1	0.1	0.1	ppbv
622-96-8	4-Ethyltoluene	10.1	49.6		0.1	0.1	0.1	ppbv
541-73-1	1,3-Dichlorobenzene	9.4	56.5		0.1	0.1	0.1	ppbv
106-46-7	1,4-Dichlorobenzene	9.6	57.7		0.1	0.1	0.1	ppbv
95-50-1	1,2-Dichlorobenzene	9.7	58.3		0.1	0.1	0.1	ppbv
120-82-1	1,2,4-Trichlorobenzene	12	89.1		0.04	0.05	0.1	ppbv
87-68-3	Hexachloro-1,3-Butadiene	10.7	114		0.1	0.1	0.1	ppbv
106-99-0	1,3-Butadiene	9.6	21.2		0.1	0.1	0.1	ppbv
110-54-3	Hexane	9.3	32.8		0.04	0.05	0.1	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135		104%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	435740		6.64				
540-36-3	1,4-Difluorobenzene	1216800		8.32				
3114-55-4	Chlorobenzene-d5	1054710		13.74				

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1298 SAS No.: E1298 SDG No.: E1298

Instrument ID: MSVOA_L Calibration Date(s): 02/15/2013 02/15/2013

Heated Purge: (Y/N) N Calibration Time(s): 23:05 23:47

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF010 = VL018937.D RRF002 = VL018938.D RRF001 = VL018939.D
RRF0.5 = VL018940.D RRF015 = VL018941.D RRF =

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF015	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.009	1.516	1.726	2.005	0.826		1.416	34.7
tert-Butyl alcohol	1.782	1.666	1.786	1.850	2.018		1.820	7.1
Chloromethane	1.132	1.165	1.095	1.152	1.189		1.147	3.1
Methyl Methacrylate	0.496	0.541	0.504	0.487	0.514		0.508	4.1
Vinyl Chloride	0.934	0.898	0.830	0.926	1.004		0.919	6.8
Bromomethane	0.560	0.540	0.533	0.531	0.620		0.557	6.6
Chloroethane	0.365	0.344	0.325	0.340	0.395		0.354	7.7
Trichlorofluoromethane	2.036	2.036	2.093	2.150	2.320		2.127	5.5
Dichlorotetrafluoroethane	1.790	2.088	2.144	2.196	1.505		1.945	15
1,1,2-Trichlorotrifluoroethane	1.271	1.238	1.305	1.343	1.374		1.306	4.2
Bromoethene	0.634	0.605	0.595	0.600	0.678		0.622	5.6
Heptane	2.504	2.613	2.584	2.435	2.512		2.530	2.8
1,1-Dichloroethene	0.627	0.602	0.609	0.622	0.679		0.628	4.8
Acetone	1.635	1.876	1.881	2.042	1.803		1.847	8
Carbon Disulfide	1.831	1.641	1.605	1.590	1.934		1.720	8.9
Methyl tert-Butyl Ether	3.600	3.662	3.665	3.531	3.748		3.641	2.2
Methylene Chloride	0.605	0.591	0.647	0.759	0.644		0.649	10.2
Allyl Chloride	1.140	1.020	1.023	1.072	1.212		1.094	7.5
trans-1,2-Dichloroethene	1.051	1.031	1.019	0.996	1.083		1.036	3.2
1,1-Dichloroethane	2.271	2.346	2.305	2.315	2.388		2.325	1.9
Cyclohexane	1.556	1.578	1.542	1.498	1.596		1.554	2.4
2-Butanone	0.922	1.083	1.065	1.086	0.916		1.015	8.6
Carbon Tetrachloride	0.729	0.773	0.775	0.775	0.768		0.764	2.6
cis-1,2-Dichloroethene	1.688	1.690	1.660	1.593	1.796		1.685	4.3
Chloroform	2.496	2.499	2.521	2.500	2.676		2.539	3.1
1,4-Dioxane	0.135	0.163	0.222	0.217	0.176		0.183	20.2
1,1,1-Trichloroethane	2.406	2.372	2.406	2.336	2.609		2.426	4.4
Tetrahydrofuran	0.549	0.600	0.566	0.556	0.538		0.562	4.3
2,2,4-Trimethylpentane	1.906	2.467	2.472	2.450	1.774		2.214	15.6
Benzene	1.334	1.523	1.517	1.561	1.318		1.450	8
1,2-Dichloroethane	0.664	0.731	0.743	0.752	0.712		0.720	4.9
Trichloroethene	0.420	0.515	0.514	0.521	0.390		0.472	13.2
1,2-Dichloropropane	0.473	0.533	0.529	0.547	0.472		0.511	6.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1298 SAS No.: E1298 SDG No.: E1298

Instrument ID: MSVOA_L Calibration Date(s): 02/15/2013 02/15/2013

Heated Purge: (Y/N) N Calibration Time(s): 23:05 23:47

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF010 = VL018937.D RRF002 = VL018938.D RRF001 = VL018939.D
RRF0.5 = VL018940.D RRF015 = VL018941.D RRF =

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF015	RRF	$\overline{RRF}$	% RSD
Bromodichloromethane	0.878	0.977	0.940	0.927	0.899		0.924	4.1
4-Methyl-2-Pentanone	1.132	1.282	1.251	1.222	1.139		1.205	5.6
Toluene	1.542	1.777	1.789	1.759	1.525		1.678	7.9
t-1,3-Dichloropropene	0.709	0.734	0.710	0.651	0.734		0.708	4.8
cis-1,3-Dichloropropene	0.812	0.877	0.843	0.785	0.824		0.828	4.2
1,1,2-Trichloroethane	0.510	0.575	0.564	0.575	0.505		0.546	6.5
Dibromochloromethane	0.707	0.763	0.752	0.685	0.713		0.724	4.5
1,2-Dibromoethane	0.749	0.849	0.842	0.818	0.755		0.803	5.9
Tetrachloroethene	0.400	0.461	0.470	0.477	0.384		0.439	9.8
Chlorobenzene	1.117	1.299	1.380	1.421	0.978		1.239	15.1
Ethyl Benzene	2.129	2.381	2.459	2.428	1.934		2.266	10
m/p-Xylene	1.616	1.883	1.986	1.973	1.451		1.782	13.3
o-Xylene	1.599	1.958	2.084	2.082	1.429		1.830	16.4
Styrene	1.188	1.242	1.246	1.197	1.085		1.192	5.5
Bromoform	0.539	0.559	0.519	0.467	0.540		0.525	6.7
1,1,2,2-Tetrachloroethane	1.069	1.316	1.412	1.425	0.950		1.235	17.3
2-Chlorotoluene	1.682	1.845	1.936	1.833	1.563		1.772	8.4
1,3,5-Trimethylbenzene	1.858	2.094	2.180	2.075	1.691		1.980	10.1
1,2,4-Trimethylbenzene	1.694	2.087	2.238	2.155	1.505		1.936	16.5
4-Ethyltoluene	1.964	2.133	2.196	2.093	1.792		2.036	7.9
1,3-Dichlorobenzene	1.007	1.159	1.237	1.236	0.897		1.107	13.6
1,4-Dichlorobenzene	1.099	1.228	1.295	1.276	0.986		1.177	11.2
1,2-Dichlorobenzene	1.075	1.189	1.257	1.256	0.975		1.150	10.7
1,2,4-Trichlorobenzene	0.721	0.760	0.792	0.781	0.653		0.741	7.6
Hexachloro-1,3-Butadiene	0.458	0.484	0.519	0.529	0.416		0.481	9.6
1,3-Butadiene	0.824	0.818	0.763	0.801	0.899		0.821	6
Hexane	1.709	1.834	1.867	1.798	1.682		1.778	4.5
1-Bromo-4-Fluorobenzene	0.765	0.779	0.811	0.823	0.700		0.776	6.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1298 SAS No.: E1298 SDG No.: E1298

Instrument ID: MSVOA_L Calibration Date(s): 02/18/2013 02/18/2013

Heated Purge: (Y/N) N Calibration Time(s): 15:24 18:04

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF010 = VL018956.D RRF002 = VL018957.D RRF001 = VL018958.D
RRF0.5 = VL018959.D RRF015 = VL018960.D RRF =

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF015	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.012	1.897	2.197	2.399	1.696		2.040	13.3
tert-Butyl alcohol	1.836	1.741	1.635	1.671	1.637		1.704	5
Chloromethane	1.222	1.173	1.182	1.217	1.125		1.184	3.3
Methyl Methacrylate	0.487	0.465	0.430	0.390	0.433		0.441	8.4
Vinyl Chloride	0.962	0.920	0.922	0.852	0.892		0.909	4.5
Bromomethane	0.585	0.556	0.567	0.559	0.553		0.564	2.3
Chloroethane	0.376	0.345	0.356	0.346	0.350		0.355	3.6
Trichlorofluoromethane	2.323	2.294	2.305	2.310	2.201		2.287	2.1
Dichlorotetrafluoroethane	2.204	2.230	2.321	2.330	1.968		2.211	6.6
1,1,2-Trichlorotrifluoroethane	1.372	1.378	1.345	1.411	1.267		1.355	4
Bromoethene	0.639	0.606	0.605	0.595	0.588		0.607	3.3
Heptane	2.300	2.244	2.162	1.907	2.097		2.142	7.1
1,1-Dichloroethene	0.652	0.629	0.627	0.624	0.610		0.628	2.4
Acetone	1.650	1.776	1.829	1.899	1.520		1.735	8.7
Carbon Disulfide	1.895	1.757	1.650	1.566	1.747		1.723	7.2
Methyl tert-Butyl Ether	3.470	3.337	3.226	2.831	3.160		3.205	7.5
Methylene Chloride	0.637	0.682	0.718	0.828	0.590		0.691	13.1
Allyl Chloride	1.117	1.057	1.029	0.978	1.040		1.044	4.8
trans-1,2-Dichloroethene	0.973	0.939	0.944	0.895	0.907		0.932	3.3
1,1-Dichloroethane	2.241	2.205	2.219	2.157	2.038		2.172	3.7
Cyclohexane	1.423	1.341	1.278	1.220	1.301		1.313	5.8
2-Butanone	0.881	0.930	0.915	0.909	0.774		0.882	7.1
Carbon Tetrachloride	0.766	0.764	0.745	0.727	0.687		0.738	4.4
cis-1,2-Dichloroethene	1.632	1.535	1.448	1.320	1.512		1.489	7.7
Chloroform	2.472	2.421	2.431	2.381	2.317		2.404	2.4
1,4-Dioxane	0.171	0.179	0.124	0.174	0.106		0.151	22.1
1,1,1-Trichloroethane	2.383	2.244	2.150	2.053	2.218		2.210	5.5
Tetrahydrofuran	0.512	0.504	0.468	0.429	0.445		0.472	7.7
2,2,4-Trimethylpentane	1.923	2.215	2.170	2.057	1.602		1.993	12.3
Benzene	1.266	1.315	1.288	1.250	1.107		1.245	6.5
1,2-Dichloroethane	0.709	0.714	0.709	0.700	0.642		0.695	4.3
Trichloroethene	0.408	0.455	0.454	0.424	0.344		0.417	10.9
1,2-Dichloropropane	0.461	0.483	0.470	0.475	0.400		0.458	7.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : (908)-789-8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SUST01

Lab Code: CHEM Case No.: E1298 SAS No.: E1298 SDG No.: E1298

Instrument ID: MSVOA_L Calibration Date(s): 02/18/2013 02/18/2013

Heated Purge: (Y/N) N Calibration Time(s): 15:24 18:04

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF010 = VL018956.D RRF002 = VL018957.D RRF001 = VL018958.D
RRF0.5 = VL018959.D RRF015 = VL018960.D RRF =

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF015	RRF	$\overline{RRF}$	% RSD
Bromodichloromethane	0.913	0.922	0.882	0.859	0.803		0.876	5.4
4-Methyl-2-Pentanone	1.102	1.137	1.086	0.973	0.975		1.055	7.2
Toluene	1.478	1.530	1.430	1.292	1.288		1.403	7.8
t-1,3-Dichloropropene	0.686	0.607	0.537	0.447	0.617		0.579	15.7
cis-1,3-Dichloropropene	0.790	0.742	0.665	0.564	0.701		0.692	12.4
1,1,2-Trichloroethane	0.497	0.512	0.509	0.501	0.436		0.491	6.4
Dibromochloromethane	0.711	0.701	0.644	0.589	0.625		0.654	7.9
1,2-Dibromoethane	0.740	0.750	0.729	0.701	0.645		0.713	5.9
Tetrachloroethene	0.377	0.401	0.382	0.372	0.322		0.371	7.9
Chlorobenzene	1.197	1.241	1.274	1.291	1.107		1.222	6
Ethyl Benzene	2.263	2.199	2.117	1.904	2.150		2.127	6.4
m/p-Xylene	1.759	1.794	1.847	1.635	1.669		1.741	5
o-Xylene	1.788	1.875	1.843	1.753	1.679		1.787	4.3
Styrene	1.228	1.146	1.087	0.965	1.189		1.123	9.1
Bromoform	0.521	0.488	0.430	0.370	0.458		0.453	12.8
1,1,2,2-Tetrachloroethane	1.182	1.282	1.332	1.319	1.111		1.245	7.7
2-Chlorotoluene	1.735	1.639	1.549	1.401	1.697		1.604	8.3
1,3,5-Trimethylbenzene	1.951	1.883	1.810	1.658	1.869		1.834	6
1,2,4-Trimethylbenzene	1.839	1.928	1.924	1.813	1.722		1.845	4.6
4-Ethyltoluene	2.025	1.924	1.804	1.613	1.939		1.861	8.6
1,3-Dichlorobenzene	1.048	1.077	1.084	1.068	0.995		1.054	3.4
1,4-Dichlorobenzene	1.108	1.099	1.114	1.075	1.062		1.092	2
1,2-Dichlorobenzene	1.079	1.065	1.041	1.036	1.048		1.054	1.7
1,2,4-Trichlorobenzene	0.576	0.535	0.528	0.515	0.270		0.485	25.2
Hexachloro-1,3-Butadiene	0.376	0.354	0.350	0.383	0.341		0.361	4.8
1,3-Butadiene	0.839	0.817	0.795	0.794	0.777		0.804	3
Hexane	1.612	1.652	1.594	1.525	1.416		1.560	5.9
1-Bromo-4-Fluorobenzene	0.708	0.735	0.750	0.759	0.867		0.764	8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

SHIPPING DOCUMENTS

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. : E1788

Client Contact Information	Bottle Order ID : **B1302014**	Courier :	_____ of _____ COCs
Client ID : **SUST01** Project ID : **Samoo Architects**		Sampler Name(s) :	Analysis / Matrix
Customer Name : **Sustainable Management LLC**	Project Manager **Chunyuan li**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **1370 Broadway, 5th Floor**	Phone Number : **646-380-1939**		
	Fax Number : **646-380-1220**		
	Site Details:		
City : **New York**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **10018**	Standard : **15 business days**	Data Package Type :	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Helium			Indoor/Ambinet Air	Soil Gas		
SG-1	2/12/13	12:30	2:35	-30				-30	-5.1	10525	10404	6 L	50	VL018559.D	X	X						

	Temperature (Fahrenheit)			
		Ambient	Maximum	Minimum
	Start	40°F		
	Stop	40°F		

	Pressure (Inches of Hg)			
		Ambient	Maximum	Minimum
	Start	40°F		
	Stop			

GC/MS Analyst Signature (TO-15)

** Submittal of this COC indicates approval of the analysis based on existing conditio

Please follow the instructions on the back of this CO

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by:	Date/Time: 2/12/13	Canisters Received by:	Date/Time:
Samples Relinquished by: Li Chunyuan	Date/Time: 2/12/13	Received by:	Date/Time:
Relinquished by: Li Chunyuan	Date/Time: 2/12/13	Received by:	Date/Time: 2/13/13 1000

B1302014 - 3

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. : E1798

4

4.1

Client Contact Information	Bottle Order ID : **B1302014**	Courier :	_____ of _____ COCs
Client ID : **SUST01** Project ID : **Samoo Architects**		Sampler Name(s) :	Analysis / Matrix
Customer Name : **Sustainable Management LLC**	Project Manager **Chunyuan li**	AIR ANALYSIS CHAIN-OF-CUSTODY	
	Phone Number : **646-380-1939**		
Address : **1370 Broadway, 5th Floor**	Fax Number : **646-380-1220**		
	Site Details:		
City : **New York**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **10018**	Standard : **15 business days**	Data Package Type :	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	He/N2			Indoor/Ambinet Air	Soil Gas		
SG-2	2/12/13	11:53	13:05	-30	-2			-30	-3.1	10702	10050	6 L	50	VL018559.D	X	X						

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	40 °F			
Stop	40 °F			

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

** Submittal of this COC indicates approval of the analysis based on existing conditio

Please follow the instructions on the back of this CO

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by:	Date/Time: 2/7/13	Canisters Received by:	~~Date/Time:~~
Samples Relinquished by:	Date/Time: 2/12/13	Received by:	~~Date/Time:~~
Relinquished by:	Date/Time: 2/12/13	Received by:	Date/Time: 2/13/13 1800

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CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. : E1298

Client Contact Information	Bottle Order ID : **B1302014**	Courier :	_____ of _____ COCs
Client ID : **SUST01** Project ID : **Samoo Architects**		Sampler Name(s) :	Analysis / Matrix
Customer Name : **Sustainable Management LLC**	Project Manager **Chunyuan li**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **1370 Broadway, 5th Floor**	Phone Number : **646-380-1939**		
	Fax Number : **646-380-1220**		
	Site Details:		
City : **New York**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **10018**	Standard : **15 business days**	Data Package Type :	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout	Can Cert ID	TO-15	Indoor/Ambinet Air	Soil Gas
SG-3	2/12/13	11:22	13:45	-30	-2			-30	-1.8	10782	10270	6 L	50	VL018559.D	X	X	

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	40°F			
Stop	40°F			

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) [signature]

** Submittal of this COC indicates approval of the analysis based on existing conditio

Please follow the instructions on the back of this CO

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.0 ppm

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: [signature]	Date/Time: 2/12/13	Canisters Received by:	Date/Time:
Samples Relinquished by: Li Chunyuan	Date/Time: 2/12/13	Received by:	Date/Time:
Relinquished by: Li Chunyuan	Date/Time: 2/12/13	Received by: [signature]	Date/Time: 2/13/13 1000

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DEP-077
Rev. 3/04

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Chemtech
Location: 284 Sheffield Street, Mountainside,NJ 7092
Title: Sample Custodian
Field Sample Seal No.: E1298
Date Broken: 2/13/2013
Military Time Seal Broken: 10:00:00
Case No.: Samoo Architects
Analytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
E1298-01	SG-1		
E1298-02	SG-2		
E1298-03	SG-3		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
2/13/13	1350	Signature [illegible]	Signature [illegible]	Air lab
		Printed Name Palak Shah	Printed Name [illegible]	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report) Yellow - Contractor Archive Pink - Sample Custodian - Interim Copy

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Maryland	296
Massachusetts	M-NJ503
Oklahoma	9705
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other:

DOD ELAP	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148

SUSTAINABLE MANAGEMENT LLC
(646) 380-1939
FLOOR 5
1370 BROADWAY
NEW YORK NY 10018

28 LBS 1 OF 1
SHP WT: 28 LBS
DWT:20,20,18
DATE: 12 FEB 2013

SHIP TO: KURT HUMMLER
(908) 789-8900
CHEMTECH
284 SHEFFIELD ST

MOUNTAINSIDE NJ 07092-2319

NJ 078 9-61

UPS NEXT DAY AIR SAVER 1P

TRACKING #: 1Z E09 3R6 13 0298 1949

BILLING: P/P

ISH 13.00N E2844 36.5V 01/2013

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