

FORMER RONKONKOMA WALLPAPER SITE
934 EASTON STREET, EAST PATCHOGUE, NY
SITE: #E-1-52-191

PWGC Project No. SHD1002

**REMEDIAL
INVESTIGATION
REPORT
APRIL 2013**



Submitted to:



New York State Department of Environmental Conservation

Prepared for:

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1.0 INTRODUCTION

1.1 Purpose and Scope

P.W. Grosser Consulting, Inc. (PWGC) has prepared the following Remedial Investigation Report (RI) on behalf of the Suffolk County Department of Health Services (SCDHS) to document the investigation activities performed at the former Ronkonkoma Wallpaper site located at 934 Easton Street in Ronkonkoma, New York (Suffolk County Tax Map Number 0500-063-3-41.1) (**Figure 1**). The property is owned by Suffolk County.

The purpose of this investigation was to further evaluate site conditions following the previous remedial activities. The scope of the investigation is detailed in the approved Remedial Investigation Work Plan (RIWP) prepared by PWGC in June 2008. PWGC performed the remedial investigation in accordance with the RIWP beginning in March 2010, and the results are summarized in this RI.

1.2 Site Location and Description

The site is approximately 3.3 acres in size. The property is located on the north side of Easton Street and is bounded on the east by Raynor Street, on the west by Elm Avenue, and on the south by residential properties. There are currently no aboveground structures at the site. Tall grasses and shrubs dominate the central and northern portions of the site where the buildings previously existed. Asphalt parking and driveways exist through the central, eastern, and northwestern areas (**Figure 2**).

The site is utilized periodically as a training area by the Suffolk County Police Department (SCPD). The site is surrounded by chain link fence and the gates are locked. The site is unoccupied.

A shipping container, reported to be the property of the SCPD, is located on the asphalt-paved area in the eastern portion of the site. Two (2) 55-gallon drums are located in the vicinity of the shipping container.

1.3 Site History

A former industrial building (approximately 35,000 square feet in size) and a separate boiler building (approximately 850 square feet in size) with a brick stack approximately 50 feet high existed at the site. The original building was constructed in the 1920's and was reportedly used for the manufacture of paints. It is not known when the facility converted from paint manufacturing to custom wallpaper production, but the wallpaper business left the facility before 1984. The site was then used to manufacture synthetic lumber construction shapes.

In April 2000, the SCDHS obtained a warrant to access the property for the purpose of conducting an environmental investigation. Four storm-water drywells and a waste-water tank were sampled for volatile organic compounds (VOCs) and metals. Concentrations of lead were detected in the southeast storm-water drywell above SCDHS action levels.

Three monitoring wells were installed at the site in order to collect water table groundwater samples. Results from the groundwater sampling indicated no groundwater impacts of concern.

In May 2000, the SCDHS collected samples from a cesspool, the boiler building drywell, and the main sanitary system. Detected concentrations of VOCs and metals were below SCDHS action levels.

In a June 2000 inspection of the site by the SCDHS, a 5,000-gallon heating oil underground storage tank (UST), a 1,000-gallon heating oil UST, two 275-gallon heating oil aboveground storage tanks (ASTs), and a 2,000-gallon aboveground industrial waste holding tank were noted as concerns.

Suffolk County acquired the property in 2001 for failure to pay property taxes.

In 2002, the Real Property Unit of the Suffolk County Department of Planning made the decision to demolish the buildings on-site. Demolition of the buildings was completed in March 2004.

On May 13, 2004, an application was submitted for entry into the New York State Environmental Restoration Program (ERP). The site was approved for the ERP program on December 30, 2005 (Site ID#E152191). A State Assistance Contract (SAC), contract #C302758, was finalized in April 2007.

1.4 Previous Investigations

In May 2002, the SCDHS collected soil samples from six locations under a wooden floor within the former building. Analytical results indicated elevated concentrations of lead, chromium, and copper. In August 2003, additional soil samples were collected from eight locations under the wooden floor from the surface and from a depth of one foot below grade. Analytical results indicated considerably lower lead concentrations at the one-foot samples than the surface samples.

In October 2003, Miller Environmental Group (MEG) excavated the lead impacted area, approximately 85 feet by 60 feet, to a depth of approximately one foot below grade. Areas where discoloration was observed were excavated to a depth of two feet below grade. A concrete vault was broken up and removed. Six endpoint samples were collected. Approximately 225 cubic yards (cy) of soil was stockpiled for disposal. Analytical results of the sampling indicated elevated concentrations of lead. Based on the results, further excavation was performed, bringing the total volume of excavated soil to approximately 400 cy. Eight endpoint samples were collected, the results of which indicated concentrations within SCDHS site specific soil cleanup objectives (Lead @ 400 mg/kg, Copper @ 50 mg/kg & Chromium @40 mg/kg).

A geophysical investigation was also performed in February 2004 by Advanced Cleanup Technologies (ACT), which located the 5,000-gallon UST and the 1,000-gallon UST. No other USTs were located in the vicinity of the building. In March 2004, the 5,000 gallon heating oil UST and the 1,000 gallon heating oil UST were located,

excavated, and disposed. The 2,000-gallon fiberglass AST used for the storage of industrial wastewater was also removed from the site.

In March 2004, the southeast storm drain and its overflow pool were remediated. Excavated sediments were added to the stockpile. Endpoint analytical results indicated concentrations within SCDHS site specific cleanup objectives.

During removal of the excavated material from the site, two connected pits were found approximately 6 feet bgs. The pits were constructed of concrete and contained a multi-colored sludge within. Soils and sludges were removed to a depth of approximately 14 feet bgs. Endpoint samples collected from beneath the pits met SCDHS site specific cleanup objectives. Endpoint analytical results for the sample collected at the termination of the excavation along Raynor Street indicated that lead was present in concentrations greater than SCDHS site specific cleanup objectives and that impacted material may extend toward Raynor Avenue to the east. The excavation was terminated at the property line. Impacted soils were disposed of offsite at a properly permitted facility.

A historical sampling location figure and analytical data summary are included as **Appendix A**.

2.0 FIELD INVESTIGATION

PWGC began the implementation of the RIWP in March 2010. As required, ten-day notification was provided to the NYSDEC before investigation activities began. Soil and groundwater sampling activities were performed between March 8th and June 25th, 2010.

The Scope of Work, as identified in the approved RIWP, included the following tasks:

1. Geophysical Investigation
2. Test Pit Excavation
3. Soil Sampling
4. Groundwater Sampling

These tasks are discussed in detail in the following sections.

2.1 Geophysical Investigation

On March 8, 2010, PWGC and their subcontractor Advanced Geological Services (AGS) of Malverne, Pennsylvania mobilized to the site to perform the geophysical survey. Even though the known USTs have been removed from the site, the possibility exists that other structures that represent potential contaminant sources remain at the site. Such anomalies would include USTs and underground injection control (UIC) structures (drywells and cesspools). The purpose of the geophysical survey was to confirm the presence/absence of such anomalies. Descriptions of the geophysical methods are described below.

2.1.1 Electromagnetic Survey

AGS utilized a Geonics EM-31 (EM-31) terrain conductivity electromagnetic (EM) instrument (in lieu of the split box metal detector). The EM-31 uses the principle of electromagnetic induction to measure the variability of electrical conductivity of subsurface materials and the presence of buried metal objects. Significant contrasts in the electrical properties between non-indigenous materials and surrounding soil enable accurate delineation of buried waste materials, fill, and geologic features. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects such as underground storage tanks (USTs), metallic wastes, buried drums, pipelines, reinforced building foundations, and other metal components of buried structures. It is, however, equally sensitive to metal objects on the ground surface.

The Geonics EM-31 terrain conductivity instrument was used to conduct the first phase of the investigation. The EM-31 was used to detect both ferrous and non-ferrous metals buried in the upper 10 feet of the subsurface. A total of nine EM anomalies were identified (**Figure 3**).

2.1.2 Ground Penetrating Radar Survey

The nine EM anomalies were further investigated using ground penetrating radar (GPR). **Figure 3** depicts the locations of the geophysical anomalies.

Based upon the results of the geophysical survey, AGS recommended that direct sampling methods, such as test pits be considered to further determine the source of each anomaly. The complete Geophysical Investigation Report is included in **Appendix B**.

2.1.3 Test Pit Excavation

On March 18, 2010, PWGC and their subcontractor American Environmental Assessment Corporation (AEAC) of Wyandanch, New York mobilized to the site to perform test pits in the locations of the nine anomalies identified during the geophysical survey. **Figure 3** identifies the location of the anomalies where test pits were conducted (EM-1 through EM-9).

During excavation, PWGC documented soil types, changes in lithology, and visual evidence of impact (if any) encountered in the test pits. PWGC utilized a Photoionization Detector (PID) to screen the soils from the excavations for volatile organic compounds (VOCs), which are commonly associated with petroleum products and industrial solvents. There were no elevated PID readings from the test pit locations. Test pit photo logs were prepared for each test pit and are included as **Appendix C**. Below is a description of the activities performed at each of the test pits.

Test Pit 1 (TP-1):

TP-1 was installed at location of anomaly EM1. A square metal plate was identified approximately one foot bgs. A large piece of concrete was identified approximately two feet bgs.

Test Pit 2 (TP-2):

TP-2 was installed at the location of anomaly EM2. Reinforced concrete debris was identified just below the surface. Three two-inch diameter steel pipes were identified approximately two feet bgs. A strong fuel oil odor was identified on the inside of the piping. No visual evidence of soil impacts was identified. The piping was followed both east and west and was found to be cut off on both ends. The piping was most likely associated with the former USTs at the site.

Test Pit 3 (TP-3):

TP-3 was installed at the location of anomaly EM3. A large metal cylinder was identified at 1 ½ feet bgs. The cylinder appears to be constructed of steel and appeared to be a portion of a storage tank. No visual evidence of impacted soils were observed.

Test Pit 4 (TP-4):

TP-4 was installed at the location of anomaly EM4. Reinforced concrete debris was identified at two feet bgs. The concrete debris appears to be in the shape of a cylinder and is most likely the remnants of an overflow pool. A single eight inch diameter PVC pipe was identified heading in the east direction. This pipe was traced to a catch basin (CB-1) located in the asphalt parking lot. This leaching system was identified as the drainage system which was sampled previously by SCDHS.

Test Pit 5 (TP-5):

TP-5 was installed at the location of anomaly EM5. Sheet metal was identified at one foot bgs. Reinforced concrete debris was identified at three feet bgs.

Test Pit 6 (TP-6):

TP-6 was installed at the location of anomaly EM6. An intact leaching structure (DW-3), with a below grade cover, was identified at two feet bgs (**Figure 4**). The structure consisted of eight foot diameter precast concrete rings with a single Orangeburg pipe (bituminized pipe used from the 1860's to 1970's) entering from the northeast. The pipe was followed to the northeast approximately 25 feet where it was observed to be broken off. Since the location of DW-3 does not correspond to any of the structures previously sampled by SCDHS, a sediment sample was collected from this structure.

Test Pit 7 (TP-7):

TP-7 was installed at the location of anomaly EM7. An intact leaching structure (CP-3) was identified at two feet bgs (**Figure 4**). The structure consisted of eight foot diameter precast concrete rings with a single Orangeburg pipe entering from the west. The pipe was followed to the west approximately 10 feet where another leaching structure (CP-1) was identified containing five pipes. This leaching system was identified as the buildings sanitary system which was sampled previously by SCDHS.

Test Pit 8 (TP-8):

TP-8 was installed at the location of anomaly EM8. An intact leaching structure (CP-4) was identified at two feet bgs (**Figure 4**). The structure consisted of eight foot diameter precast concrete rings with a single Orangeburg pipe entering from the north. The pipe was followed to the north approximately 10 feet where it connected to the primary leaching pool (CP-1).

Test Pit 9 (TP-9):

TP-9 was installed at the location of anomaly EM9. An intact leaching structure (CP-2) was identified at two feet bgs (**Figure 4**). The structure consisted of eight foot diameter precast concrete rings with a single Orangeburg pipe entering from the east. The pipe was followed to the east approximately 10 feet where it connected to the primary leaching pool (CP-1).

2.1.4 Sampling Protocol

Soil/sludge samples were retrieved from the base of DW-3 utilizing a stainless steel hand auger. Prior to sampling, equipment was decontaminated using a laboratory-grade glassware detergent and tap water scrub to remove visual contamination; generous tap water rinse; followed by a distilled water rinse. Three grab samples were retrieved from the base of the structure. Grab samples were screened with a photoionization detector (PID) to detect the presence of volatile organic vapors. A VOC sample was collected from the grab sample which had the highest PID response. The remaining samples were transferred to a stainless steel bowl and homogenized.

Once the soil/sludge was homogenized, a sample was transferred into glassware provided by Chemtech of Mountainside, New Jersey. The sample was packed in a cooler with ice and shipped to Chemtech under chain-of-custody seal.

The soil/sludge sample was analyzed for the presence of:

- VOCs by EPA Method 8260 (SCDHS List)
- SVOCs by EPA Method 8270 (SCDHS List)
- Total Metals by EPA Method 6010 (SCDHS List)
- Total Cyanide by EPA Method 9010

2.1.5 Analytical Results

Soil analytical results for the UIC sampling were compared to the unrestricted use soil cleanup objectives (UUSCOs) specified in Table 375-6.8(a) of the NYSDEC 6 NYCRR Part 375 Subparts 375-1 to 375-4 and 375-6 (Part 375, RUSCOs for the protection of public health). In the absence of an applicable clean-up objective under the Part 375 unrestricted use soil cleanup objectives, the results were compared to the action levels specified in the SCDHS Article 12, Standard Operation Procedure (SOP) 9-95, Pumpout and Soil Cleanup Criteria, July, 2010.

Several VOCs were detected above laboratory method detection limits in the sample from DW-3. Acetone and p-Isopropyltoluene were detected at concentrations above their respectable UUSCOs and Action Levels.

SVOCs were not detected above laboratory method detection limits.

Several metals were detected above UUSCOs in the sample from DW-3. Chromium, copper, lead, and cyanide were each detected at concentrations above their respectable UUSCOs. Analytical data are summarized **Tables 1 through 3**. Laboratory analytical reports are included as **Appendix D**.

2.2 Surface Soil Sampling

PWGC collected soil samples on March 8, 2010 and June 25, 2010. The sampling locations correspond to potential areas of soil contamination within the original footprint of the site structure as well as locations distributed across the site.

Contamination in surface soils represents the greatest potential for human exposure. Surface soil sample locations are identified on **Figure 5**.

2.2.1 Sampling Protocol

Surface soils were collected from 0 to 2 inches below ground surface (bgs) or below the vegetative layer. Samples were also collected from 6 to 8 inches bgs and 12 to 14 inches bgs.

Soil samples were collected from each location using stainless steel sampling equipment. Prior to sampling, equipment was decontaminated using a laboratory-grade glassware detergent and tap water scrub to remove

visual contamination; generous tap water rinse; followed by a distilled water rinse. Sampling equipment was decontaminated between each interval. Soil samples were classified using the Unified Soil Classification System (USCS) and screened in the field for the presence of VOCs using a PID (**Table 4**). The samples generated no significantly elevated PID responses. Samples were then placed in pre-cleaned, laboratory-supplied glassware provided by Chemtech. Samples were packed in coolers with ice and shipped to Chemtech under chain-of-custody seal.

Initially, the shallow surface soil samples 0 to 2 inches bgs were analyzed, while the deeper samples 6 to 8 inches bgs and 12 to 14 inches bgs were held pending analytical results. If a soil sample showed concentrations above applicable standards, the deeper sample collected from that location was analyzed.

The samples were analyzed for the presence of:

- VOCs by EPA Method 8260 (Samples only analyzed if VOCs identified by field screening)
- SVOCs by EPA Method 8270
- Total Metals by EPA Method 6010
- Total Cyanide by EPA Method 9010

2.2.2 Analytical Results - (0 to 2 inches bgs)

Soil analytical results for the surface investigation were compared to the unrestricted use soil cleanup objectives (UUSCOs) specified in Table 375-6.8(a) of the NYSDEC 6 NYCRR Part 375 Subparts 375-1 to 375-4 and 375-6 (Part 375, UUSCOs for the protection of public health). In the absence of an applicable clean-up objective under the Part 375 unrestricted use soil cleanup objectives, the recommended soil cleanup objectives (RSCOs) from NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 were substituted.

VOCs were not detected above laboratory method detection limits in the eleven surface soil samples.

Several SVOCs were detected above UUSCOs in the sample collected from SS-4. Benzo(a)anthracene, benzo(b)fluoranthene, chrysene, and ideno(1,2,3-cd)pyrene were each detected at concentrations above their respectable UUSCOs. SVOCs were not detected above UUSCOs in the other eleven samples.

Metals were detected above UUSCOs in ten of the twelve surface soil samples. Barium, cadmium, chromium, copper, lead, nickel, selenium, and zinc were the metals identified above UUSCOs. The concentrations were highest in the surface soil samples located in the forested area which has not been disturbed. Analytical data are summarized in **Tables 5 through 7**. Laboratory analytical reports are included as **Appendix D**.

2.2.3 Analytical Results – (6 to 8 inches bgs)

Based upon the analytical data for the 0 to 2 inches bgs samples, the intermediate samples (6 to 8 inches bgs) were run for SS-2, SS-3, SS-4, SS-5, SS-7, SS-8, SS-10, SS-11, and SS-12. Each of these samples was analyzed for metals and SS-4 was analyzed for SVOCs.

SVOCs were not detected above UUSCOs in the intermediate (6 to 8 inches bgs) surface soil sample from SS-4.

Metals were detected above UUSCOs in eight of the nine intermediate (6 to 8 inches bgs) surface soil samples. Concentrations in SS-5, SS-7, SS-10, SS-11, and SS-12 decreased, concentrations increased in SS-4 and SS-8, and concentrations remained relatively unchanged in SS-2 and SS-3 when compared to the 0 to 2 inches bgs samples. Analytical data are summarized in **Tables 5 through 7**. Laboratory analytical reports are included as **Appendix D**.

2.2.4 Analytical Results – (12 to 14 inches bgs)

Based upon the analytical data for the 6 to 8 inches bgs samples, the deeper samples (12 to 14 inches bgs) were run for SS-2, SS-3, SS-4, SS-5, SS-7, SS-8, and SS-11.

Metals were detected above UUSCOs in six of the seven deeper (12 to 14 inches bgs) surface soil samples. Concentrations in SS-2, SS-3, SS-5, SS-7, SS-8, and SS-11 decreased and concentrations increased in SS-4 when compared to the 6 to 8 inches bgs samples. Analytical data are summarized in **Tables 5 through 7**. Laboratory analytical reports are included as **Appendix D**.

2.3 Sub-surface Soil Sampling

On March 9, 2010, PWGC and their subcontractor, Land Air Water Environmental Services (LAWES), of Center Moriches, New York mobilized to the site to collect subsurface soil samples. Subsurface soil samples were collected in the locations of the former USTs, ASTs, and along Raynor street east of the limits of former remedial excavation area. Soil boring locations are identified on **Figure 5**.

2.3.1 Sampling Protocol

LAWES utilized a track mounted Geoprobe™ to perform the soil borings. At each boring location, soils were collected continuously from ground surface to 20 feet bgs. Soil samples were classified using the Unified Soil Classification System (USCS) and screened in the field for the presence of VOCs using a PID. PID responses above background levels were not observed in the seven borings. A slight pinkish discoloration was observed at 14 feet bgs in the northern-most boring along Raynor Street (SB-6). Based upon this, an additional boring (SB-7) was performed between SB-6 and SB-5. No discoloration was observed in either SB-5 or SB-7. Soil boring logs are included in **Appendix E**.

Soil samples were collected from the deepest (18-20 feet bgs) interval for the borings performed in the former UST/AST area, since PID responses were not generated and no visual evidence of impact was identified. Soil samples were collected from two intervals (14-16 feet bgs and 18-20 feet bgs) from borings installed along the edge of Raynor Street. Samples were placed in pre-cleaned, laboratory-supplied glassware provided by Chemtech. Samples were packed in coolers with ice and shipped to Chemtech under chain-of-custody seal.

The samples from each boring installed to investigate the UST/ASTs were analyzed for VOCs and SVOCs. The sample collected from the former 2,000-gallon industrial waste AST was also analyzed for TAL metals and total

cyanide. The soil samples collected from the borings installed along Raynor Street were analyzed for VOCs by EPA Method 8260, TAL metals by EPA Method 6010, and total cyanide by EPA method 9010.

2.3.2 Analytical Results

Soil analytical results for the subsurface investigation were compared to the unrestricted use soil cleanup objectives (UUSCOs) specified in Table 375-6.8(a) of the NYSDEC 6 NYCRR Part 375 Subparts 375-1 to 375-4 and 375-6 (Part 375, UUSCOs for the protection of public health). In the absence of an applicable clean-up objective under the Part 375 unrestricted use soil cleanup objectives, the recommended soil cleanup objectives (RSCOs) from NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 were substituted.

VOCs and SVOCs were not detected above laboratory method detection limits in the subsurface soil samples.

Metals were not detected above UUSCOs, with the exception of Chromium and lead in SB-4 at a depth of 18-20 feet bgs. Chromium was detected at a concentration of 55.4 mg/kg and lead was detected at a concentration of 135 mg/kg which exceeds their respective UUSCOs, but is well below the Restricted Residential Soil Cleanup Objective (RRSCO) of 180 mg/kg and 400 mg/kg, respectively. Shallower samples were not analyzed as no visual evidence or elevated PID responses were generated. Analytical data are summarized in **Tables 8 -10**. Laboratory analytical reports are included as **Appendix D**.

2.4 Groundwater Sampling

During a site inspection by PWGC, two of the three existing monitoring wells (MW-2 and MW-3) were found to be damaged and unable to be sampled. As a result, two monitoring wells were installed to obtain groundwater quality data for the RI and for future groundwater monitoring, as necessary. Monitoring well locations are identified on **Figure 6**.

2.4.1 Monitoring Well Installation

On March 10, 2010, PWGC and their subcontractor, LAWES, mobilized to the site to install two monitoring wells (MW-4 & MW-5). LAWES utilized a drill rig to advance 4 ¼ inch diameter hollow stem augers to the appropriate depths. The boreholes were over drilled to a depth of 64 feet bgs. At this depth, a 2 inch diameter, schedule 40 PVC monitoring well was installed through the augers. The monitoring well consisted of 10 feet of screen with 0.010 inch slot and 55 feet of solid riser. This allowed for the well screen to be set with 7 feet into and 3 feet above the water table. The well annulus was filled with #2 morie sand to two feet above the well screen. A two-foot fine sand layer, #00, was installed above the screen followed by a two-foot bentonite seal. The remaining annulus was filled with a cement/bentonite seal. A concrete surface pad (2 feet by 2 feet by 6-inch) was installed. The wells were finished with locking j-plugs and stick-up protective covers. Monitoring well construction logs are included in **Appendix F**.

2.4.2 Monitoring Well Development

On March 16, 2010 PWGC mobilized to the site to develop the newly installed monitoring wells. Monitoring wells were developed by over-pumping to restore the hydraulic properties of the aquifer. Well development water was

contained in 55-gallon drums onsite pending analysis. Well development continued until the turbidity of the groundwater was less than or equal to 50 Nephelometric Turbidity Units (NTUs), or when pH, temperature, and conductivity measurements stabilized. Stabilization was considered achieved when three consecutive readings of these field parameters were within five percent of each other. Monitoring well development information is provided on the well development logs in **Appendix G**.

2.4.3 Monitoring Well Survey

On March 16, 2010, Young and Young Surveyors mobilized to the site to survey the newly installed monitoring wells along with the existing monitoring well (MW-1). The measuring points on each well casing were marked for future measurements. Well casing elevation data obtained as part of the survey was used to determine groundwater table elevations and groundwater flow direction.

2.4.4 Groundwater Sampling

On April 1, 2010, PWGC mobilized to the site to perform groundwater sampling of the monitoring wells. Samples were collected from the three monitoring well locations (MW-1, MW-4, & MW-5) shown in **Figure 6**.

Groundwater monitoring of the wells consisted of collecting and recording depth to water, depth to light non-aqueous phase liquid (LNAPL), LNAPL thickness, and total well depth measurements for the three on-site groundwater monitoring wells. Water levels and LNAPL measurements were collected using a Solinst Interface Probe. As expected, LNAPL was not detected in the three monitoring wells. Water level measurements were converted into groundwater elevation data to construct a groundwater contour map and determine flow direction (**Figure 7**). Water Elevation Measurements are included in **Table 11**. Based on the calculations performed, groundwater flow is in a north-westerly direction.

2.4.5 Sampling Protocol

In accordance with the Remedial Investigation Work Plan, samples were collected utilizing low-flow purging and sampling procedures outlined in the USEPA Standard Operating Procedures (SOP) No. 2007. During purging, the groundwater parameters pH, temperature, turbidity, conductivity, and oxygen reduction potential (ORP) were monitored. Upon collection, groundwater samples were placed in pre-cleaned laboratory-supplied glassware and packed in a cooler on ice. Copies of the groundwater sampling data sheets containing the field parameters recorded and purge volumes for each sampling point are attached in **Appendix H**.

Samples were poured into pre-cleaned, laboratory-supplied glassware provided by Chemtech. Samples were packed in coolers with ice and shipped to Chemtech under chain-of-custody seal.

The samples were analyzed for the presence of:

- VOCs by EPA Method 8260
- SVOCs by EPA Method 8270
- Total Metals by EPA Method 6010
- Total Cyanide by EPA Method 9010

2.4.6 Analytical Results

Groundwater analytical results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQS) for Class GA groundwater, as specified in Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values on Groundwater Effluent Limitations, June 1998.

VOCs and SVOCs were not detected above laboratory method detection limits.

Several inorganic metals were detected in each of the three groundwater samples above laboratory method detection limits. Sodium was detected in MW-1 and MW-5 and Zinc was detected in MW-4 above NYSDEC AWQS. The presence of sodium and zinc in the groundwater is most likely attributed to background levels for the area, since a source was not identified within the deeper soils at the site. Analytical data are summarized in **Tables 12 – 14**. Laboratory analytical reports are included as **Appendix D**.

2.5 Quality Assurance/Quality Control

As stated in the RIWP, the overall quality assurance/quality control (QA/QC) objective for the field investigation was to develop and implement procedures that provide data of known and documented quality. QA/QC characteristics for data include precision, accuracy, representativeness, completeness, and comparability. The purpose of the QA/QC activities developed for this site was to verify the integrity of the work performed at the site to assure that the data collected are of the appropriate type and quality needed for the intended use.

The QA/QC program included the preparation and analysis of field QA/QC samples such as field blanks, field duplicates, and matrix spike duplicates. Third party data validation was performed on ten percent of the laboratory results of surface soil, subsurface soil, and groundwater samples submitted for analysis.

2.5.1 QA/QC Samples

To assess the adequacy of sample collection and decontamination procedures performed in the field, QA/QC samples were collected and analyzed throughout the field sampling program. In general, QA/QC samples confirmed that the procedures performed in the field were consistent and acceptable. Reported detections in the equipment blanks did not impact the interpretation of sample data. As specified in the RIWP, QA/QC samples collected for laboratory analysis included equipment blanks (EB), blind/field duplicates (FD), matrix spike (MS), and matrix spike duplicates (MSD). The EB samples were collected daily for each sampling method that used non-disposable equipment such as the hand auger and peristaltic pump. FD and MS/MSD samples were submitted at a minimum of one each per twenty samples.

<u>Type</u>	<u>Frequency</u>
Equipment Blank	One per day per sample matrix
Blind/Field Duplicate	One per 20 samples per matrix
Matrix Spike/Matrix Spike Duplicate	One per 20 samples per matrix

During the project, a total of four equipment blanks were collected. Equipment blanks were collected by pouring laboratory-supplied deionized water over sampling equipment and collecting the water in the appropriate

sample container(s). In order to evaluate the precision of the field sampling and laboratory analyses, PWGC collected two soil field duplicates and one groundwater field duplicate.

2.5.2 Data Validation

PWGC retained the services of Stone Environmental, Inc. (Stone), of Montpelier, Vermont to perform validation of data obtained during the RI. Full data validation was performed on 5% of the data or four samples from the sample delivery group for volatiles semi-volatiles, metals (total and dissolved), and cyanide in soil and water samples. The remaining data received a summary validation. A copy of the Data Validation Report (DVR) is included as **Appendix I**.

2.5.3 Data Usability

Based on the review of the results reported by the laboratory, the overall Quality Control data provided in the laboratory reports and the case narrative; the data are representative of adequate method accuracy and precision with regard to the project objectives. As noted in the full validation report, some of the data points were qualified as estimated (J/UJ) due to laboratory accuracy and precision outliers or potential interferences. In addition, the results for benzaldehyde in MW-4 were rejected based on the recovery in the blank spike at less than 10 %. However, the completeness level attained for the analysis of the field samples was greater than 95%. For all data, the overall quality of the data is acceptable and all results as qualified as estimated are considered usable.

2.6 Waste Management

Under the direction of PWGC, AEAC removed and properly disposed of the investigation derived wastes (IDW), both solids and liquids, discussed below.

2.6.1 Investigative Derived Waste (IDW)

One 55-gallon drum of liquids (decontamination water), and one 55-gallon drum of soils (excess soil samples) were generated during the investigation.

2.6.2 Waste Transportation and Disposal

The 55-gallon drums of IDW were transported by AEAC (USEPA ID # NYR00000044412) to Chemical Pollution Control (CPC), USEPA ID # NYD082785429, Bay Shore, New York for treatment/disposal. Waste manifests are included in **Appendix J**.

3.0 HYDROGEOLOGIC ASSESSMENT AND PHYSICAL SETTING

The following section describes site topography, surrounding property use and regional and site geology/hydrogeology.

3.1 Site Topography

In February 2010, PWGC performed a preliminary site inspection. The site is located approximately 40 feet above mean sea level. Approximately $\frac{3}{4}$ of the site has been recently disturbed due to building demolition and excavation activities. The southern and western section of the site is relatively undisturbed with large trees and shrubs. The age of the trees in these areas indicate that this section of the site was not developed along with the rest of the site.

No erosion of surface areas was noted. Two storm-water drywells were located near the northwest corner of the site. Precipitation recharges directly into the subsurface or the storm water drywells with no evidence of overland flow away from the site towards surface-water bodies.

The nearest surface-water body is Ronkonkoma Lake located approximately one mile to the North (**Figure 1**). Based upon site topography, overland flow to this surface-water body is unlikely.

3.2 Surrounding Land Use

The site is located at 934 Easton Street in Ronkonkoma, New York. The Long Island Railroad is located north of the site and a commercial building is located to the east.

The nearest residential properties are located adjacent to and west of the site (**Figure 1**). These residential areas have municipal water service provided by the Suffolk County Water Authority (SCWA).

3.3 Regional Geology / Hydrogeology

The geologic setting of Long Island is well documented and consists of crystalline bedrock composed of schist and gneiss overlain by layers of unconsolidated deposits. Immediately overlying the bedrock is the Raritan Formation, consisting of the Lloyd sand confined by the Raritan clay Member. The Lloyd sand is an aquifer and consists of discontinuous layers of gravel, sand, sandy and silty clay, and solid clay. The Raritan clay is a solid and silty clay with that is gray, red or white in color with few lenses of sand and gravel and abundant lignite and pyrite.

Above the Raritan Clay lies the Magothy Formation. The Magothy aquifer consists of layers of fine to coarse sand of moderate to high permeability, with inter-bedded lenses of silt and clay of low permeability resulting in areas of preferential horizontal flow. Therefore, this aquifer generally becomes more confined with depth. The Magothy Formation is overlain by the Upper Glacial deposits which contains the Upper Glacial aquifer. The Upper Glacial aquifer is the water-table aquifer at this location and is comprised of medium to coarse sand and gravel with

occasional thin lenses of fine sand and brown clay. This aquifer extends from the water table to the top of the Magothy and, therefore, is hydraulically connected to the Magothy aquifer.

The nearest public water supply well is located approximately 0.5 miles west of the subject property and is identified as the Easton Street Wellfield, Well No. S-43641. The well depth is 706 feet and draws water from the Magothy Aquifer at an average rate of 1,400 gallons per minute. Based upon the location of the public water supply well and its design, any impacts from the site are unlikely to impact drinking water quality.

3.4 Site Geology / Hydrogeology

The aquifer of concern at the former Ronkonkoma Wallpaper site is the Upper Glacial aquifer which is an unconsolidated mixture of sand and gravel. The Upper Glacial aquifer is approximately 190 feet thick (saturated zone) at the site, and has an estimated average horizontal hydraulic conductivity (permeability) of 270 feet/day and a vertical hydraulic conductivity of 27 feet/day (Franke & Cohen, 1972).

Clay layers, such as the Gardiners clay and the "20-Foot-clay," where present, may act as local confining units, separating the Upper Glacial aquifer from the underlying Magothy aquifer which is the principal source of drinking water in Suffolk County. These clay layers extend throughout much of the south shore of Long Island and are present just south of the site.

Based on data collected during monitoring well installation, depth to groundwater ranged from 57.49 to 60.31 feet bgs. No confining unit (clay) was present at the monitoring well locations. Regional groundwater flow at the site is to the north-northwest. Based upon the groundwater measurements obtained from the site monitoring wells on April 1, 2010, local groundwater flow direction was determined to be to the west-northwest (**Figure 7**).

4.0 NATURE AND EXTENT OF CONTAMINATION

The following section describes the investigation techniques used to determine the nature and extent of contamination identified at the subject property.

4.1 Identification of Source Areas

Sampling conducted at the site identified SVOCs and metals in several of the surface soil samples collected across the site, metals in one of the subsurface soil samples, and VOCs and metals in the sediment sample collected from DW-3. Metals were detected in the groundwater samples; however the detected compounds most likely represent background concentrations for the site.

4.2 Extent of Contamination in Soil

Subsurface soil samples were collected at two depths during the RI Investigation; 14-16 feet bgs and 18-20 feet bgs. Surface soil samples were collected at 0-2, 6-8, and 12-14 inches bgs. Soil/sludge samples were collected from the base of on-site UIC structures during the RI Investigation. Soil/sludge samples collected from the bases of the UIC structures were analyzed for VOCs, SVOCs, metals and cyanide in accordance with SCDHS SOP 9-95 procedures and protocol. Surface/subsurface soil samples were analyzed for the presence of VOCs, SVOCs, metals, and cyanide.

A sample collected from one of the UIC structure (DW-3) contained concentrations of VOCs and metals above both the UUSCOs and the SCDHS Action Levels. SVOCs and/or metals were detected in nine of the surface soil samples above the UUSCOs. Metals were detected in one of the soil borings above UUSCOs.

Spread or migration of VOCs and metals within the UIC structure should be limited as this structure (DW-3) is located below grade, and is not currently receiving discharges. Spread and migration of SVOCs and metals is likely a result of physical processes including wind dispersion and localized surface runoff. Spread and migration of metals in the subsurface soil is not likely.

4.3 Extent of Contamination in Groundwater

Concentrations of metals exceeding the NYSDEC AWQS were detected in each of groundwater samples collected. However, many of these metals are naturally occurring and are common in shallow groundwater. Concentrations of metals in groundwater are shown to be greatly reduced when the samples are filtered, as metals tend to adhere to sediments in turbid samples. The reason for the elevated concentrations of some of these metals, such as sodium and zinc are unknown, as significant sources of these metals in the soils were not encountered during the Remedial Investigation. It is not believed that the metals detected in the groundwater samples are a result of an onsite source of contamination.

4.4 Qualitative Exposure Assessment

The following sections discuss the qualitative exposure assessments. The qualitative exposure assessments include an evaluation of contaminant sources, potential receptors and contaminant release and transport.

4.4.1 Human Health Exposure Assessment

Contaminant Source

Soil analytical results indicate that the sediments within the leaching drywell and surface soil samples are contaminated with VOC compounds acetone and p-isopropyltoluene, SVOC compounds benzo(a)anthracene, benzo(b)fluoranthene, chrysene, and ideno(1,2,3-cd)pyrene, and metal compounds barium, chromium, copper, lead, nickel, selenium, zinc, and cyanide above their respective UUSCOs.

Acetone is commonly identified as a colorless liquid with a characteristic odor. Acetone can have an adverse affect on human health and can be absorbed after inhalation or dermal exposure. Acute exposure symptoms may include irritation to eyes and respiratory system. Chronic exposure may cause dermatitis.

Barium is commonly found as a yellowish to white lustrous solid in various forms. Dust explosion is possible if in powder or granular form. Barium can have an adverse affect on human health and can be absorbed by ingestion. The substance irritates the eyes, the skin, and the respiratory tract.

Benzo(a)anthracene is commonly identified as colorless to yellow-brown fluorescent flakes or powder. Dust explosion is possible if in powder or granular form. Benzo(a)anthracene can have an adverse affect on human health and can be absorbed after oral, inhalation, or dermal exposure. This substance may be carcinogenic to humans.

Benzo(b)fluoranthene is found in the form of colorless crystals. Upon heating, toxic fumes are released. Benzo(b)fluoranthene can have an adverse affect on human health and can be absorbed after inhalation or dermal exposure. This substance may be carcinogenic to humans.

Chromium is found in the form of a grey powder. Dust explosion is possible if in powder or granular form. Chromium can have an adverse affect on human health and can be absorbed by inhalation. The substance irritates the eyes and the respiratory tract.

Chrysene is found as a crystalline powder. Chrysene can have an adverse affect on human health and can be absorbed after oral, inhalation, or dermal exposure. This substance may be carcinogenic to humans.

Copper is found as a red powder however, the powder turn green when exposed to moist air. Copper reacts with strong oxidants causing explosion hazards. Copper can have an adverse affect on human health and can be absorbed by inhalation and ingestion. The inhalation of fumes may cause metal fever.

Cyanides can be found as gases, solids, or liquids. Cyanide reacts with water releasing toxic fumes. Cyanide can have an adverse affect on humans and can be absorbed by inhalation, ingestion, or dermal exposure. Cyanide can affect the central nervous system and the heart.

Ideno(1,2,3-cd)pyrene is found in the form of yellow crystals. Upon heating, toxic fumes are released. The substance can be absorbed into the body by inhalation of its aerosol, through the skin and by ingestion. This substance is possibly carcinogenic to humans.

Lead may appear as a bluish-white or silvery-grey solid in various forms. The substance, when heated releases toxic fumes. Lead can have an adverse affect on human health and can be absorbed after inhalation or oral exposure. Chronic exposure may have effects on the blood, bone marrow, central nervous system, resulting in anemia.

Nickel is found as a silvery metallic solid in various forms. Dust explosion is possible if in powder or granular form. Nickel can have an adverse affect on human health and can be absorbed by inhalation. The substance irritates the eyes and may cause pneumonitis.

P-Isopropyltoluene is a colorless liquid with a distinct odor. P-isopropyltoluene can have an adverse affect on human health and can be absorbed by inhalation. The substance irritates the eyes and may cause liver or kidney damage.

Selenium is an odorless solid found in various forms. Upon heating, toxic fumes are released. Selenium can have an adverse affect on human health and can be absorbed by inhalation, ingestion, or dermal exposure. The substance irritates the eyes and respiratory tract and may cause dermatitis.

Zinc is commonly found as an odorless grey to blue powder. Dust explosion is possible if in powder or granular form. Zinc can have an adverse affect on human health and can be absorbed by inhalation and ingestion. Inhalation of the fumes may cause metal fever.

Potential Receptor Populations

The site is within an area containing a mix of both commercial and residential uses. The nearest residential properties are served by municipal water through the SCWA. The nearest SCWA water supply well is located approximately 0.5 miles west of the site.

Contaminant Release and Transport

VOCs and metals were detected in one of the UIC structures at the site. The structure is not currently in use. Therefore, the migration of these contaminants is unlikely.

SVOCs and/or metals are present in surface soils at the site. Spread of SVOCs and metals within the surface soils at the site is likely a result of physical processes including wind dispersion and localized surface runoff of contaminated soils. Based upon site topography widespread dispersion as a result of overland flow is unlikely.

Metals are present in the subsurface soil at the site. Spread and migration of subsurface soils in unlikely.

Points of Exposure

There are no plausible off-site pathways for oral, inhalation, or dermal exposure to VOCs, SVOCs, or metals from the contamination identified at the site. There is very little potential for exposure to VOCs, as these compounds are contained in a below grade drywell, which is inaccessible. The only possible on-site exposure pathway's are by ingestion or dermal exposure by a trespasser, an SCDHS employee, or worker at the site. Ingestion and dermal exposure would not likely be extensive given the intermittent nature of exposure. Contaminants would most likely be transferred from surfaces containing residual soil (an article of clothing or object such as equipment) that have come into contact with contaminated soil and not through direct ingestion of or contact with the contaminated soil.

4.5 Fish and Wildlife Resource Impact Assessment

On May 6, 2010, PWGC performed a survey to determine the ecological communities of the site and those within 0.5 miles of the site according to the classifications described in *The Ecological Communities of New York State* (Edinger et al., 2002). The site is characterized as an urban vacant lot with developing vegetation. The forested area consists of several types of trees consisting primarily of sugar maple (*Acer saccharum*), white oak (*Quercus alba*), honey locust (*Gleditsia triacanthos*), pitch pine (*Pinus rigida*) and eastern white pine (*Pinus strobus*). Much of the herbaceous layer was inhabited by common wormwood (*Artemisia vulgaris*), poison ivy (*Toxicodendron radicans*), wild carrot (*Daucus carota*), and long crabgrass (*Digitaria sanguinalis*).

The areas surrounding the site consist of residential areas characterized as mowed lawn with trees and/or mowed roadside/pathway. Typical plant species observed included sugar maple (*Acer saccharum*), pitch pine (*Pinus rigida*), white oak (*Quercus alba*) and wild rose (*Rosa acicularis*).

Several species of songbirds and game birds, American woodcock (*Scolopax minor*), mourning dove (*Zenaida macroura*), american robin (*Turdus migratorius*), blue jay (*Cyanocitta cristata*), tufted titmouse (*Baeolophus bicolor*), and red-winged blackbird (*Agelaius phoeniceus*) were observed on the site and adjacent properties during the field investigation. Mammals expected to utilize the site and adjacent properties may include house mouse (*Mus musculus*), eastern chipmunk (*Tamias striatus*), eastern gray squirrel (*Sciurus carolinensis*), eastern cottontail (*Sylvilagus floridanus*), raccoon (*Procyon lotor*) and opossum (*Didelphos marsupialis*).

The vegetation present on the subject property appeared to be healthy and did not show any obvious visual indications of contamination. The few species of invertebrates, birds, and mammals that inhabit the site do not appear to be adversely impacted by the contaminants.

A review of the NYSDEC environmental resource database indicates that no state-regulated freshwater wetlands are located within 0.5 mile radius of the site. The Connetquot river state-regulated wetland is the nearest wetland in the down-gradient direction. Spread of contamination off-site is limited as documented during the groundwater sampling event and it is not likely to affect the Connetquot river wetland.

Based on the Fish and Wildlife Resources Impact Analysis Decision Key contained in Appendix 3C of the NYSDEC DER-10 Technical Guidance for Site Investigations and Remediation, no formal fish and wildlife impact analysis is required.

5.0 CONCLUSIONS

The following sections discuss the conclusions and recommendations based upon the results obtained during the Remedial Investigation.

5.1 Conclusions

PWGC performed a subsurface investigation at the former Ronkonkoma Wallpaper site, 934 Easton Street, Ronkonkoma, New York. The investigation consisted of the location of several UIC structures and soil, soil/sludge, and groundwater sampling. Based upon the site history and previous investigations, the identified Contaminants of Concern (COCs) were VOCs, SVOCs and Metals.

The UIC investigation identified the location of the on-site sanitary system located west of the former building and the catch basin and drywell located near the entrance on Raynor Street previously sampled by SCDHS and a single leaching drywell located in the south parking lot which was not identified on any historic plans. Soil/sludge analytical data indicated VOCs and/or metals were detected in the leaching drywell (DW-3) located in the south parking lot above both the UUSCOs and the SCDHS Action Levels.

SVOCs and/or metals were detected at concentrations exceeding the UUSCOs in nine of the surface soil samples collected. Concentrations decreased in depth with the exception of SS-4. The highest concentrations were identified in the undisturbed forested area.

VOC's and SVOCs were not identified in subsurface soils; however chromium and lead were detected at a concentration slightly exceeding UUSCOs in one of the samples.

VOCs and SVOCs were not detected above laboratory method detection limits in the groundwater samples. Several inorganic metals were detected in each of the three groundwater samples above laboratory method detection limits. Sodium was detected in MW-1 and MW-5 and Zinc was detected in MW-4 above NYSDEC AWQS. The presence of sodium and zinc in the groundwater is most likely attributed to background levels for the area, since a source was not identified within the deeper soils at the site.

A qualitative exposure assessment was completed for the site. Based upon the information collected during the RI, it was determined that there is no plausible off-site exposure scenario for the on-site soil contamination. The only possible on-site exposure pathway's are by ingestion or dermal exposure by a trespasser, an SCDHS employee, or worker at the site. Ingestion and dermal exposure would not likely be extensive given the intermittent nature of exposure. Contaminants would most likely be transferred from surfaces containing residual soil (an article of clothing or object such as equipment) that have come into contact with contaminated soil and not through direct ingestion of or contact with the contaminated soil.

Based on the information gathered as part of the human health exposure assessment and the fish and wildlife impact assessment, it was concluded that VOCs, SVOCs, and metals at the site are not expected to have a significant adverse impact to ecological resources and that an ecological impact assessment is not warranted.

5.2 Analysis of Remedial Alternatives

In accordance with the requirement of the NYSDEC for Environmental Restoration Projects, an analysis of remedial alternatives has been prepared. In order to select the most reasonable alternative, remedial alternatives have been analyzed based upon effectiveness, implementability, and cost. In addition, potential exposure and contaminant transport were also investigated as part of the analysis of remedial alternatives.

A discussion of each area of impact and remedial alternatives are discussed in the Alternative Analysis Report included in **Appendix K**.

6.0 REFERENCES

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- *Franke, O.L. and Cohen, Philip*, Regional Rates of Ground-Water Movement on Long Island, New York, United States Geological Survey Professional Paper 800C; 1972.
- *New York State Department of Environmental Conservation (NYSDEC)*, 6 NYCRR Part 375 Subparts 375-1 to 375- 4 & 375-6; Restricted Use Soil Cleanup Objectives (RUSCOs) for the Protection of Public Health—Residential, December 2006..
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- *NYSDEC, Draft DER-10 Technical Guidance For Site Investigation and Remediation*; December 2002.
- *P.W. Grosser Consulting, Inc. (PWGC), Remedial Investigation Work Plan and Health and Safety Plan*; June 2008.
- *Suffolk County Department of Health Services (SCDHS), Standard Operating Procedure for the Administration of Article 12 of the Suffolk County Sanitary Code, Pumpout & Soil Cleanup Criteria*; July 2010.

TABLES

Table 1

Analytica Results for Bottom Sediment - Volatile Organic Compounds (EPA Method 8260)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID: Sample Depth: Laboratory ID: Sampling Date:	SCDHS Action Levels ⁽¹⁾	Unrestricted Use SCO (2)	Residential SCO(3)	Restricted Residential SCO(3)	Commercial SCO(3)	Industrial SCO(3)	DW-3 B1659-01 3/18/2010
Volatile Organic Compounds - USEPA Method 8260 - ug/kg							
1,1,1,2-Tetrachloroethane	600	NS	NS	NS	NS	NS	12 U
1,1,1-Trichloroethane	1,400	680	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
1,1,2,2-Tetrachloroethane	800	NS	NS	NS	NS	NS	12 U
1,1,2-Trichloroethane	200	NS	NS	NS	NS	NS	12 U
1,1,2-Trichlorotrifluoroethane	NS	NS	NS	NS	NS	NS	12 U
1,1-Dichloroethane	600	270	19,000	26,000	240,000	480,000	12 U
1,1-Dichloroethene	600	330	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
1,1-Dichloropropene	200	NS	NS	NS	NS	NS	12 U
1,2,3-Trichlorobenzene	17,000	NS	NS	NS	NS	NS	12 UJ
1,2,3-Trichloropropane	100	NS	NS	NS	NS	NS	12 U
1,2,4,5-tetramethylbenzene	18,000	NS	NS	NS	NS	NS	12 UJ
1,2,4-Trichlorobenzene	17,000	NS	NS	NS	NS	NS	12 UJ
1,2,4-Trimethylbenzene	7,200	3,600	47,000	52,000	190,000	380,000	12 U
1,2-Dibromo-3-Chloropropane	100	NS	NS	NS	NS	NS	12 U
1,2-Dibromoethane	600	NS	NS	NS	NS	NS	12 U
1,2-Dichlorobenzene	2,200	1,100	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
1,2-Dichloroethane	100	20 ^c	2,300	3,100	30,000	60,000	12 U
1,2-Dichloropropane	100	NS	NS	NS	NS	NS	12 U
1,3,5-Trimethylbenzene	16,800	8,400	47,000	52,000	190,000	380,000	2.9 J
1,3-Dichlorobenzene	4,800	2,400	17,000	49,000	280,000	560,000	12 U
1,3-Dichloropropane	600	NS	NS	NS	NS	NS	12 U
1,4-Dichlorobenzene	3,600	1,800	9,800	13,000	130,000	250,000	12 U
2,2-Dichloropropane	600	NS	NS	NS	NS	NS	12 U
2-Butanone	NS	120	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	58 U
2-Chlorotoluene	5,200	NS	NS	NS	NS	NS	12 U
4-Chlorotoluene	5,200	NS	NS	NS	NS	NS	12 U
4-Methyl-2-Pentanone	NS	NS	NS	NS	NS	NS	58 U
Acetone	**	50	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	79 J
Benzene	120	60	2,900	4,800	44,000	89,000	4.7 J
Bromobenzene	2,800	NS	NS	NS	NS	NS	12 U
Bromochloromethane	400	NS	NS	NS	NS	NS	12 U
Bromodichloromethane	4,600	NS	NS	NS	NS	NS	12 U
Bromoform	13,000	NS	NS	NS	NS	NS	12 U
Carbon Tetrachloride	1,600	760	1,400	2,400	22,000	44,000	12 U
Chlorobenzene	2,200	1,100	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
Chloroethane	400	NS	NS	NS	NS	NS	12 U
Chloroform	800	370	10,000	49,000	350,000	700,000	12 U
cis-1,2-Dichloroethene	500	250	59,000	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
cis-1,3-Dichloropropene	100	NS	NS	NS	NS	NS	12 U
Dibromochloromethane	6,200	NS	NS	NS	NS	NS	12 U
Dibromomethane	400	NS	NS	NS	NS	NS	12 U
Dichlorodifluoromethane	600	NS	NS	NS	NS	NS	12 U
Ethyl Benzene	2,000	1,000	30,000	41,000	390,000	780,000	4.1 J
Hexachlorobutadiene	54,000	NS	NS	NS	NS	NS	12 U
Isopropylbenzene	9,400	NS	NS	NS	NS	NS	12 U
Methyl tert-butyl Ether	1,200	930	62,000	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
Methylene Chloride	200	50	51,000	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
Naphthalene	24,000	NS	NS	NS	NS	NS	19 J
n-Butylbenzene	12,000	NS	NS	NS	NS	NS	12 U
n-propylbenzene	8,000	3,900	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
p-diethylbenzene	52,000	NS	NS	NS	NS	NS	12 U
p-ethyltoluene	9,000	NS	NS	NS	NS	NS	12 U
p-Isopropyltoluene	22,000	NS	NS	NS	NS	NS	34,000
sec-Butylbenzene	12,000	11,000	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
Styrene	9,200	NS	NS	NS	NS	NS	12 U
t-1,3-Dichloropropene	100	NS	NS	NS	NS	NS	12 U
tert-Butylbenzene	12,000	5,900	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
Tetrachloroethene	2,600	1,300	5,500	19,000	150,000	300,000	12 U
Toluene	3,000	700	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	100 J
Total Xylenes	3,200	260	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	11.6 J
trans-1,2-Dichloroethene	400	190	100,000 ^a	100,000 ^a	500,000 ^u	1,000,000 ^c	12 U
Trichloroethene	1,000	47	10,000	21,000	200,000	400,000	12 U
Trichlorofluoromethane	1,600	NS	NS	NS	NS	NS	12 U
Vinyl Chloride	100	20	210	900	13,000	27,000	12 U

Notes:

⁽¹⁾Suffolk County Dept. of Health Services, Article 12 - SOP 9-95, Action Levels, July 2010.

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restrictd Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCO for residential, restricted residential and ecological resources use were capped at a maximum value of 100 ppm.

b - The SCOs for commercial use were capped at a maximum value of 500 ppm.

c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

NS - Not specified

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

** - Remediation determined on a case by case basis

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 2

Analytical Results for Bottom Sediment - Semi-volatile Organic Compounds (EPA Method 8270)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID:		Unrestricted		Restricted			DW-3
Sample Depth:	SCDHS Action Levels ⁽¹⁾	Use	Residential	Residential	Commercial	Industrial	
Laboratory ID:							B1659-01
Sampling Date:		SCO (2)	SCO(3)	SCO(3)	SCO(3)	SCO(3)	3/18/2010
Semi-Volatile Organic Compounds - USEPA Method 8270 - ug/kg							
Acenaphthene	200,000	20,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	770 U
Anthracene	200,000	NS	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	770 U
Benzo(a)anthracene	2,000	1,000 ^c	1,000 ^f	1,000 ^f	5,600	11,000	770 U
Benzo(a)pyrene	44,000	1,000 ^c	1,000 ^f	1,000 ^f	1,000 ^f	1,100	770 U
Benzo(b)fluoranthene	3,400	1,000 ^c	1,000 ^f	1,000 ^f	5,600	11,000	770 U
Benzo(g,h,i)perylene	200,000	100,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	770 U
Benzo(k)fluoranthene	3,400	800 ^c	1,000	3,900	56,000	110,000	770 U
Chrysene	2,000	1,000 ^c	1,000 ^f	3,900	56,000	110,000	770 U
Dibenzo(a,h)anthracene	200,000	330 ^b	330 ^c	330 ^c	560	1,100	770 U
Fluoranthene	200,000	100,000 ^a	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	770 U
Fluorene	200,000	30,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	770 U
Indeno(1,2,3-cd)pyrene	16,000	500 ^c	500 ^f	500 ^f	5,600	11,000	770 U
Phenanthrene	200,000	100,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	770 U
Pyrene	200,000	100,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	770 U

Notes:

⁽¹⁾Suffolk County Dept. of Health Services, Article 12 - SOP 9-95, Action Levels, July 2010.

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restrictd Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCO for residential, restricted residential and ecological resources use were capped at a maximum value of 100 ppm.

b - The SCOs for commercial use were capped at a maximum value of 500 ppm.

c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The associated numerical value is the sample quantitation limit.

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 3
Analytical Results for Bottom Sediment - Metals (EPA Method 6010)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID:	SCDHS Action Levels ⁽¹⁾	Unrestricted	Residential	Restricted	Commercial	Industrial	DW-3		
Sample Depth:		Use		Residential					
Laboratory ID:		SCO (2)		SCO(3)			B1659-01		
Sampling Date:								SCO(3)	SCO(3)
Metals - USEPA Method 6010 - mg/kg									
Arsenic	30	13 ^c	16 ^f	16 ^f	16 ^f	16 ^f	6.29		
Beryllium	240	7	14	72	590	2,700	0.71 U		
Cadmium	40	2.5 ^c	2.5 ^f	4.3	9.3	60	0.71 U		
Chromium	100	30 ^c	36	180	1,500	6,800	14,700		
Copper	8,500	50	270	270	270	10,000 ^d	420		
Lead	2,000	63 ^c	400	400	1,000	3,900	72,100 D		
Mercury	3.7	0.18 ^c	0.81 ^j	0.81 ^j	2.8 ^j	5.7 ^j	0.092 J		
Nickel	650	30	140	310	310	10,000 ^d	8.56		
Silver	50	2	36	180	1,500	6,800	1.18 U		
Total Cyanide - USEPA Method 9010 - mg/kg									
Cyanide	N/A	27	27	27	27	10,000 ^d	35		

Notes:

⁽¹⁾Suffolk County Dept. of Health Services, Article 12 - SOP 9-95, Action Levels, July 2010.

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restrictd Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCO for residential, restricted residential and ecological resources use were capped at a maximum value of 100 ppm.

b - The SCOs for commercial use were capped at a maximum value of 500 ppm.

c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.

d - The SCOs for metals were capped at a maximum value of 10,000 ppm.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

j - This SCO is the lowe of the values for mercury.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 4

Surface Soil Description

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Surface Soil Location	Soil Description	USCS	PID Reading (ppm)
SS-1	Well graded dark brown sand with silt and gravel.	SW-SM	1.3
SS-2	Well graded dark brown sand with silt and gravel.	SW-SM	0.6
SS-3	Well graded dark brown sand with silt and gravel.	SW-SM	1.4
SS-4	Well graded dark brown sand with silt.	SW-SM	1.8
SS-5	Well graded brown sand with silt and gravel.	SW-SM	0.0
SS-6	Well graded brown sand with silt and gravel.	SW-SM	1.2
SS-7	Well graded dark brown sand with silt and gravel.	SW-SM	0.8
SS-8	Well graded brown sand with silt and gravel.	SW-SM	0.3
SS-9	Well graded light brown sand with silt.	SW-SM	0.6
SS-10	Well graded dark brown sand with silt and gravel.	SW-SM	0.6
SS-11	Well graded gray-brown sand with silt.	SW-SM	1.0
SS-12	Well graded dark brown sand with silt.	SW-SM	0.7

Notes:

Surface soil samples collected from zero to two inches below grade.

Table 5

Analytical Results for Surface Soil - Volatile Organic Compounds (EPA Method 8260)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID: Sample Depth: Laboratory ID: Sampling Date:	NYSDEC RSCO (1)	Unrestricted Use	Residential	Restricted Residential	Commercial	Industrial	SS-1 0-2" B1456-01 3/8/2010	SS-2 0-2" B1456-02 3/8/2010	SS-3 0-2" B1456-03 3/8/2010	SS-4 0-2" B1456-06 3/8/2010	SS-6 0-2" B1456-08 3/8/2010	SS-7 0-2" B1456-09 3/8/2010	SS-8 0-2" B1456-10 3/8/2010	SS-9 0-2" B1456-11 3/8/2010	SS-10 0-2" B1456-12 3/8/2010	SS-11 0-2" B1456-13 3/8/2010	SS-12 0-2" B1456-14 3/8/2010
Volatile Organic Compounds - USEPA Method 8260 - ug/kg																	
1,1,1-Trichloroethane	800	680	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,1,2,2-Tetrachloroethane	600	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,1,2 Trichloroethane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,1,2-Trichlorotrifluoroethane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 UJ	6.8 U	7.4 U	8.9 U
1,1 Dichloroethane	200	270	19,000	26,000	240,000	480,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,1 Dichloroethene	400	330	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 UJ	6.8 U	7.4 U	8.9 U
1,2,4-Trichlorobenzene	3,400	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,2 Dibromo 3 chloropropane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,2 Dibromoethane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,2 Dichlorobenzene	7,900	1,100	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,2 Dichloroethane	100	20 ^c	2,300	3,100	30,000	60,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,2 Dichloropropane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,3 Dichlorobenzene	1,600	2,400	17,000	49,000	280,000	560,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
1,4 Dichlorobenzene	8,500	1,800	9,800	13,000	130,000	250,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
2-Butanone	300	120	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	29 U	27 U	28 U	29 U	28 U	33 U	27 U	27 U	34 U	37 U	45 U
2-Hexanone	NS	NS	NS	NS	NS	NS	29 U	27 U	28 U	29 U	28 U	33 U	27 U	27 U	34 U	37 U	45 U
4-Methyl-2-pentanone	1,000	NS	NS	NS	NS	NS	29 U	27 U	28 U	29 U	28 U	33 U	27 U	27 U	34 U	37 U	45 U
Acetone	200	50	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	29 U	27 U	28 U	29 U	28 U	33 U	27 U	27 U	34 U	37 U	45 U
Benzene	60 or MDL	60	2,900	4,800	44,000	89,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Bromodichloromethane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Bromoform	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Bromomethane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 UJ	6.8 U	7.4 U	8.9 U
Carbon Disulfide	2,700	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Carbon Tetrachloride	600	760	1,400	2,400	22,000	44,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Chlorobenzene	1,700	1,100	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Chloroethane	1900	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 UJ	6.8 U	7.4 U	8.9 U
Chloroform	300	370	10,000	49,000	350,000	700,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Chloromethane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 UJ	6.8 U	7.4 U	8.9 U
c-1,2-Dichloroethene	NS	250	59,000	100,000 ^a	500,000 ^b	1,000,000 ^c	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
c-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Cyclohexane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 UJ	6.8 U	7.4 U	8.9 U
Dibromochloromethane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 UJ	6.8 U	7.4 U	8.9 U
Ethyl Benzene	5,500	1,000	30,000	41,000	390,000	780,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Isopropylbenzene	2,300	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
m + p Xylene	1,200*	260	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	11 U	11 U	11 U	12 U	11 U	13 U	11 U	11 U	14 U	15 U	18 U
Methyl Acetate	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
ter.ButylMethylEther	120	930	62,000	100,000 ^a	500,000 ^b	1,000,000 ^c	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Methylcyclohexane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Methylene Chloride	100	50	51,000	100,000 ^a	500,000 ^b	1,000,000 ^c	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
o Xylene	1,200*	260	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Styrene	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
t-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Tetrachloroethene	1,400	1,300	5,500	19,000	150,000	300,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Toluene	1,500	700	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
t-1,2-Dichloroethene	300	190	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Trichloroethene	NS	47	10,000	21,000	200,000	400,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 U	6.8 U	7.4 U	8.9 U
Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 UJ	6.8 U	7.4 U	8.9 U
Vinyl Chloride	200	20	210	900	13,000	27,000	5.7 U	5.4 U	5.6 U	5.8 U	5.6 U	6.6 U	5.4 U	5.4 UJ	6.8 U	7.4 U	8.9 U

Notes:

NS - No Standard

MDL - Method Detection Limit

(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restrcted Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCO for residential, restricted residential and ecological resources use were capped at a maximum value of 100 ppm.

b - The SCOs for commercial use were capped at a maximum value of 500 ppm.

c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 6

Analytical Results for Surface Soil - Semi-volatile Organic Compounds (EPA Method 8270)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID:	NYSDEC	Unrestricted	Restricted	Restricted	Commercial	Industrial	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	
Sample Depth:	RSCO (1)	Use	Residential	Residential	Commercial	Industrial	0-2"	0-2"	0-2"	0-2"	6-8"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	
Laboratory ID:							1546-01	1546-02	1546-03	1546-06	1546-06	1546-07	1546-08	1546-09	1546-10	1546-11	1546-12	1546-13	1546-14
Sampling Date:		SCO (2)	SCO(3)	SCO(3)	SCO(3)	SCO(3)	3/8/2010	3/8/2010	3/8/2010	3/8/2010	6/25/2010	3/8/2010	3/8/2010	3/8/2010	3/8/2010	3/8/2010	3/8/2010	3/8/2010	3/8/2010
Semi-Volatile Organic Compounds by 8270 - ug/kg																			
1,1-Biphenyl	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	130 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2,2-oxybis(1-Chloropropane)	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	140 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2,4,5-Trichlorophenol	100	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	240 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	100 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2,4-Dichlorophenol	400	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	130 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	190 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2,4-Dinitrophenol	200 or MDL	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	350 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	100 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2,6-Dinitrotoluene	1000	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	140 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	78 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2-Chlorophenol	800	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	180 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2-Methylnaphthalene	36,400	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	86 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2-Methylphenol	100 or MDL	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	190 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2-Nitroaniline	430 or MDL	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	150 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
2-Nitrophenol	330 or MDL	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	170 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
3,3'-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	220 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
3+4-Methylphenol	900	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	180 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
3-Nitroaniline	500 or MDL	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	220 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	200 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	67 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
4-Chloro-3-methylphenol	240 or MDL	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	150 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
4-Chloroaniline	220 or MDL	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	240 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	190 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
4-Nitroaniline	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	450 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
4-Nitrophenol	100 or MDL	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	640 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
Acenaphthene	50,000	20,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	380 U	360 U	370 U	380 U	97 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
Acenaphthylene	50,000	100,000 ^b	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	380 U	360 U	370 U	230 J	86 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
Acetophenone	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	120 J	100 U	360 U	370 U	440 U	350 U	360 UJ	450 U	150 J	590 U
Anthracene	50,000	100,000 ^a	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	380 U	360 U	370 U	140 J	70 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
Atrazine	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	180 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
Benzaldehyde	NS	NS	NS	NS	NS	NS	380 U	360 U	130 J	380 U	180 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	160 J
Benzo(a)anthracene	224 or MDL	1,000 ^c	1,000 ^f	1,000 ^f	5,600	11,000	300 J	360 U	370 U	1,100	380 J	360 U	78 J	440 U	350 U	360 UJ	450 U	140 J	110 J
Benzo(a)pyrene	61 or MDL	1,000 ^c	1,000 ^f	1,000 ^f	1,000 ^f	1,100	320 J	360 U	370 U	940	490 J	360 U	91 J	440 U	350 U	360 UJ	450 U	160 J	130 J
Benzo(b)fluoranthene	1,100	1,000 ^c	1,000 ^f	1,000 ^f	5,600	11,000	380	360 U	370 U	1,300	670 J	360 U	120 J	140 J	350 U	360 UJ	58 J	240 J	180 J
Benzo(ghi)perylene	50,000	100,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	250 J	360 U	370 U	640	480 J	360 U	82 J	160 J	350 U	360 UJ	450 U	170 J	110 J
Benzo(k)fluoranthene	1,100	800 ^c	1,000	3,900	56,000	110,000	180 J	360 U	370 U	490	160 U	360 U	48 J	440 U	350 U	360 UJ	450 U	490 U	76 J
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	200 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	160 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
bis(2-Ethylhexyl)phthalate	50,000	NS	NS	NS	NS	NS	380 U	290 J	990	380 U	120 U	360 U	370 U	440 U	350 U	360 UJ	910	860	1,700
BenzyButylPhthalate	50,000	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	160 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	140 J
Caprolactam	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	160 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
Carbazole	NS	NS	NS	NS	NS	NS	380 U	360 U	370 U	380 U	75 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
Chrysene	400	1,000 ^c	1,000 ^f	3,900	56,000	110,000	330 J	360 U	370 U	1,100	430 J	360 U	87 J	130 J	350 U	360 UJ	59 J	250 J	160 J
Dibenzo(a,h)anthracene	14 or MDL	330 ^b	330 ^c	330 ^c	560	1,100	380 U	360 U	370 U	190 J	99 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
Dibenzofuran	6,200	7,000	14,000	59,000	350,000	1,000,000 ^c	380 U	360 U	370 U	380 U	130 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U
Diethyl Phthalate	7,100	NS	NS	NS	NS	NS	380 U	360 U	50 J	380 U	53 U	360 U	370 U	440 U	350 U	360 UJ	450 U	490 U	590 U

Table 7
Analytical Results for Surface Soils - Metals (EPA Method 6010)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID:	Eastern	Unrestricted	Residential	Restricted	Commercial	Industrial	SS-1	0-2"	SS-2	12-14"	0-2"	SS-3	12-14"	0-2"	SS-4	12-14"	0-2"	SS-5	12-14"	SS-6
Sample Depth:	USA	Use	Residential	Residential	Commercial	Industrial	0-2"	0-2"	6-8"	12-14"	0-2"	6-8"	12-14"	0-2"	6-8"	12-14"	0-2"	6-8"	12-14"	0-2"
Laboratory ID:							B1456-01	B1456-02	B2850-01	B3174-01	B1456-03	B2850-02	B2851-02	B1456-06	B2850-03	B2851-04	B1456-07	B2850-06	B2851-04	B1456-08
Sampling Date:	Background	SCO ⁽²⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	3/8/2010	3/8/2010	6/25/2010	6/25/2010	3/8/2010	6/25/2010	6/25/2010	3/8/2010	6/25/2010	6/25/2010	3/8/2010	6/25/2010	6/25/2010	3/8/2010
Metals by 6010 - mg/kg																				
Aluminum as Al	33,000	NS	NS	NS	NS	NS	5,480	4,260	4,840	4,740	6,610	7,130	5,500	6,240	4,310	4,510	5,940	9,550	9,640	850
Antimony as Sb	N/A	NS	NS	NS	NS	NS	0.22 U	0.42	1.74 U	2.24 U	0.28 U	0.79 J	2.62 U	0.29 U	2.57 U	2.27 U	0.81	0.83 J	2.46 U	0.24 U
Arsenic as As	3-12**	13 ^c	16 ^f	16 ^f	16 ^f	16 ^f	2.15	1.8	0.97	1.86	2.15	2.04	1.73	2.67	1.61	1.78	2.46	2.43	2.42	0.63
Barium as Ba	15-600	350 ^c	350 ^f	400	400	10,000 ^d	122	674	620	573	1,620	1,510	767	90	505	1,090	2,320	1,850	365	79
Beryllium as Be	0-1.75	7	14	72	590	2,700	0.23	0.16	0.15 J	0.2 J	0.22	0.22 J	0.2 J	0.31	0.22 J	0.23 J	0.2	0.29	0.32	0.03 U
Cadmium as Cd	0.1-1	2.5 ^c	2.5 ^f	4.3	9.3	60	0.35	0.12	0.29	0.27 U	0.31	0.54	0.31 U	0.35	0.66	0.27 U	0.17	0.57	0.3 U	0.11
Calcium as Ca	130-35,000	NS	NS	NS	NS	NS	9,030	453	845	1,760	602	435	191	6,350	5,380	3930	580	312	18.6 J	633
Chromium as Cr	1.5-40**	30 ^c	36	180	1,500	6,800	13.5	9.54	8.62	11.3	18.9	17.2	10.4	17.1	29.6	52	37	45.7	13.9	5.2
Cobalt as Co	2.5-60**	NS	NS	NS	NS	NS	3.89	1.79	1.75	1.83	1.9	2.13	1.58	5.42	3.04	3.46	2.73	2.96	2.19	0.72
Copper as Cu	1-50	50	270	270	270	10,000 ^d	22.5	55.3	44.3	46.8	69.6	87.1	46	20.3	27.5	60.9	183	91.3	20	8.96
Iron as Fe	2,000-550,000	NS	NS	NS	NS	NS	10,400	5,530	5,580	6,340	7,570	8,710	7,440	12,500	8,740	8,560	7,250	9,700	10,200	2,150
Lead as Pb	****	63 ^c	400	400	1,000	3,900	102	58.2	51.6	51.5	156	148	73.4	134	196	270	245	192	32.6	54
Magnesium as Mg	100-5,000	NS	NS	NS	NS	NS	4,400	446	438	956	487	632	516	2,650	2,320	2460	462	619	737	347
Manganese as Mn	50-5,000	1,600 ^c	2,000 ^f	2,000 ^f	10,000 ^d	10,000 ^d	162	78.3	77.1	81.4	79.3	68.1	50.8	214	141	97.6	103	58.4	41.6	36
Mercury as Hg	0.001-0.2	0.18 ^c	0.81 ^f	0.81 ^f	2.8 ^f	5.7 ^f	0.127	0.024	0.029	0.037	0.034	0.026	0.015	0.167	0.136	0.084	0.016	0.023	0.008 J	0.033
Nickel as Ni	0.5-25	30	140	310	310	10,000 ^d	9.81	3.02	2.79	3.92	4.62	4.23	2.94	12.8	8.76	14.6	3.48	14	5.2	1.59
Potassium as K	8,500-43,000**	NS	NS	NS	NS	NS	609	169	149	192	189	232	207	679	407	344	192	242	173	117
Selenium as Se	0.1-3.9	3.9 ^c	36	180	1,500	6,800	1.44	0.76	1.17	0.73 J	1.43	1.8	0.73 J	1.75	1.52	0.56 J	1.41	1.95	0.97 J	0.43
Silver as Ag	N/A	2	36	180	1,500	6,800	0.04 U	0.03 U	0.35 U	0.45 U	0.06 U	0.45 U	0.52 U	0.06 U	0.51 U	0.45 U	0.05 U	0.44 U	0.49 U	0.05 U
Sodium as Na	6,000-8,000	NS	NS	NS	NS	NS	101	48.9	46.5 J	80.2 J	88.4	74.2 J	156	118	95.6 J	206	64.6	66.6 J	165	56.8
Thallium as Tl	N/A	NS	NS	NS	NS	NS	0.28	0.12 U	1.4 U	1.79 U	0.23 U	1.79 U	2.1 U	0.43	2.06 U	1.81 U	0.19 U	1.78 U	1.97 U	0.19 U
Vanadium as V	1-3,000	NS	NS	NS	NS	NS	19.5	7.6	8.43	8.65	13	13	10.6	21.2	15.8	13.9	11.1	15.7	16.9	4.34
Zinc as Zn	9-50	109 ^c	2,200	10,000 ^d	10,000 ^d	10,000 ^d	93	287	264	265	556	588	296	88	235	434	621	743	187	56.5
Total Cyanide by 9010 - mg/kg																				
Cyanide	N/A	27	27	27	27	10,000 ^d	0.575 U	0.541 U	-	-	0.563 U	-	-	0.794	-	-	0.544 U	-	-	0.557 U

Notes:

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8b

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restricted Use of Soil Cleanup Objective Table 375-6.8b 12/06 ppm.

b - The SCOs for commercial use were capped at a maximum value of 500 ppm.

c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.

d - The SCOs for metals were capped at a maximum value of 10,000 ppm.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

j - This SCO is the lower of the values for mercury.

numerical value is the sample quantitation limit.

the sample.

range.

** - New York State Background

*** - Some forms of Cyanide are complex and very stable while other forms are pH dependent and hence are very unstable. Site-specific form(s) of Cyanide should be taken into consideration when establishing soil cleanup objective.

Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 7-62 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Bold / Shaded text denotes concentrations exceeding NYSDEC ResidentialUse SCO

Bold / Shaded text denotes concentrations exceeding NYSDEC Restricted Residential Use SCO

Bold / Shaded text denotes concentrations exceeding NYSDEC Commercial Use SCO

Bold / Shaded text denotes concentrations exceeding NYSDEC Industrial Use SCO

Table 7
Analytical Results for Surface Soils - Metals (EPA Method 6010)
Former Ronkonkoma Wallpaper Site
934 Easton Street - Ronkonkoma, New York

Client Sample ID:	Eastern	Unrestricted	Residential	Restricted	Commercial	Industrial	SS-7		SS-8		SS-9		SS-10		SS-11		SS-12	
Sample Depth:	USA	Use	Residential	Residential	Commercial	Industrial	0-2"	6-8"	12-14"	0-2"	6-8"	12-14"	0-2"	6-8"	0-2"	6-8"	0-2"	6-8"
Laboratory ID:							B1456-09	B2850-07	B2851-05	B1456-10	B2850-08	B2851-06	B1456-11	B1456-12	B2850-09	B1456-13	B2850-10	B2851-07
Sampling Date:	Background	SCO ⁽²⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	3/8/2010	6/25/2010	6/25/2010	3/8/2010	6/25/2010	6/25/2010	3/8/2010	3/8/2010	6/25/2010	3/8/2010	6/25/2010	6/25/2010
Metals by 6010 - mg/kg																		
Aluminum as Al	33,000	NS	NS	NS	NS	NS	8,590	10,200	10,700	4,090	3,420	3,490	323	23,100	2,210	11,300	7,330	6,490
Antimony as Sb	N/A	NS	NS	NS	NS	NS	0.56	0.57 J	2.42 U	0.97	1.81 J	2.26 U	0.18 U	3.52	2.6 U	5.21	2.11 J	0.64 J
Arsenic as As	3-12**	13 ^c	16 ^f	16 ^f	16 ^f	16 ^f	2.27	1.75	2.46	1.9	1.96	1.13	0.72 U	5.58	0.48 J	10.4	7.13	2.18
Barium as Ba	15-600	350 ^d	350 ^f	400	400	10,000 ^d	1,180	397	279	1,260	4,310	136	20	12,100 D	253	12,400 D	4,360	1,030
Beryllium as Be	0-1.75	7	14	72	590	2,700	0.22	0.22 J	0.3	0.14	0.17 J	0.19 J	0.02 U	0.54	0.06 J	0.52	0.27 J	0.17 J
Cadmium as Cd	0.1-1	2.5 ^c	2.5 ^f	4.3	9.3	60	0.52	0.64	0.29 U	0.25	0.49	0.27 U	0.22 U	2.74	0.17 J	1.51	0.79	0.31 U
Calcium as Ca	130-35,000	NS	NS	NS	NS	NS	3,400	290	37.1 J	1,690	795	809	372	1,430	118	1,270	570	186
Chromium as Cr	1.5-40**	30 ^c	36	180	1,500	6,800	18.1	12.7	13.9	52.4	219	14.1	3.18	66.4	4.93	344	134	32.1
Cobalt as Co	2.5-60**	NS	NS	NS	NS	NS	1.89	1.61	1.87	4.72	2.04	1.79	0.11 U	5.31	0.76 J	4.47	1.53	0.72 J
Copper as Cu	1-50	50	270	270	270	10,000 ^d	52.5	12	11	95.3	242	12.2	3.54	1,490	30.2	787	298	68.5
Iron as Fe	2,000-550,000	NS	NS	NS	NS	NS	11,500	10,700	12,100	11,900	8,210	5,520	1,160	44,500	3,910	14,100	8,990	7,210
Lead as Pb	****	63 ^c	400	400	1,000	3,900	140	43.5	30.8	269	1,210	33	30.3	991	36.3	2,210	814	138
Magnesium as Mg	100-5,000	NS	NS	NS	NS	NS	966	724	861	1,640	616	808	157	425	186	977	422	331
Manganese as Mn	50-5,000	1,600 ^c	2,000 ^f	2,000 ^f	10,000 ^d	10,000 ^d	88.1	41.2	49.1	104	66.4	72.3	16.7 J	231	24.6	186	56.8	25.2
Mercury as Hg	0.001-0.2	0.18 ^c	0.81 ^f	0.81 ^f	2.8 ^f	5.7 ^f	0.036	0.018	0.005 J	0.021	0.033	0.011 J	0.018	0.066	0.01 J	0.353	0.09	0.019
Nickel as Ni	0.5-25	30	140	310	310	10,000 ^d	5.38	4.23	5.71	3.82	3.78	3.29	0.61	32.5	1.48 J	21.8	5.88	3.59
Potassium as K	8,500-43,000**	NS	NS	NS	NS	NS	390	280	224	258	205	134	73.8	594	75.7 J	355	235	122
Selenium as Se	0.1-3.9	3.9 ^c	36	180	1,500	6,800	1.86	2.32	1.14	1.76	1.78	0.64 J	0.72 U	4.85	0.58 J	3.6	2.04	1.34
Silver as Ag	N/A	2	36	180	1,500	6,800	0.05 U	0.44 U	0.48 U	0.03 U	0.5 U	0.45 U	0.04 U	0.62	0.52 U	0.53	0.47 U	0.51 U
Sodium as Na	6,000-8,000	NS	NS	NS	NS	NS	84.2	58.3 J	144	145	93.9 J	127	71.9 U	431	29.8 J	133	62.4 J	144
Thallium as Tl	N/A	NS	NS	NS	NS	NS	0.19 U	1.75 U	1.93 U	0.42	2.01 U	1.81 U	0.14 U	0.62	2.08 U	1.16	1.86 U	2.05 U
Vanadium as V	1-3,000	NS	NS	NS	NS	NS	17.2	17.6	18.5	30.5	16.9	9.94	3.37	68.6	6.18	102	32.2	16.7
Zinc as Zn	9-50	109 ^c	2,200	10,000 ^d	10,000 ^d	10,000 ^d	687	555	170	341	714	53.4	28	3,050	217	1,830	700	247
Total Cyanide by 9010 - mg/kg																		
Cyanide	N/A	27	27	27	27	10,000 ^d	0.667 U	-	-	0.537 U	-	-	0.543 U	0.685 U	-	5.41	-	-

Notes:

- (2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8b
- (3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restricted Use of Soil Cleanup Objective Table 375-6.8b 12/06 ppm.
- b - The SCOs for commercial use were capped at a maximum value of 500 ppm.
- c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.
- d - The SCOs for metals were capped at a maximum value of 10,000 ppm.
- f - For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
- j - This SCO is the lower of the values for mercury.
- numerical value is the sample quantitation limit.
- the sample.
- range.
- ** - New York State Background
- *** - Some forms of Cyanide are complex and very stable while other forms are pH dependent and hence are very unstable. Site-specific form(s) of Cyanide should be taken into consideration when establishing soil cleanup objective.
- Background levels can vary widely. Average levels in undeveloped, rural areas may range from 4-62 ppm.
- Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.
- Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO**
- Bold / Shaded text denotes concentrations exceeding NYSDEC Residential Use SCO**
- Bold / Shaded text denotes concentrations exceeding NYSDEC Restricted Residential Use SCO**
- Bold / Shaded text denotes concentrations exceeding NYSDEC Commercial Use SCO**
- Bold / Shaded text denotes concentrations exceeding NYSDEC Industrial Use SCO**

Table 8

Analytical Results for Sub-surface Soil - Volatile Organic Compounds (EPA Method 8260)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID: Sample Depth: Laboratory ID: Sampling Date:	NYSDEC RSCO (1)	Unrestricted Use	Residential	Restricted Residential	Commercial	Industrial	SB-1 18-20' B1561-01 3/9/2010	SB-2 18-20' B1561-02 3/9/2010	SB-3 18-20' B1561-03 3/9/2010	SB-4 18-20' B1561-04 3/9/2010	SB-5		SB-6		SB-7	
		SCO (2)	SCO(3)	SCO(3)	SCO(3)	SCO(3)					14-16' B1561-05 3/9/2010	18-20' B1561-06 3/9/2010	14-16' B1561-07 3/9/2010	18-20' B1561-08 3/9/2010	14-16' B1561-11 3/9/2010	18-20' B1561-12 3/9/2010
Volatile Organic Compounds - USEPA Method 8260 - ug/kg																
1,1,1-Trichloroethane	800	680	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,1,2,2-Tetrachloroethane	600	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,1,2 Trichloroethane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,1,2-Trichlorotrifluoroethane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,1 Dichloroethane	200	270	19,000	26,000	240,000	480,000	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,1 Dichloroethene	400	330	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,2,4-Trichlorobenzene	3,400	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,2 Dibromo 3 chloropropane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,2 Dibromoethane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,2 Dichlorobenzene	7,900	1,100	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,2 Dichloroethane	100	20 ^c	2,300	3,100	30,000	60,000	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,2 Dichloropropane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,3 Dichlorobenzene	1,600	2,400	17,000	49,000	280,000	560,000	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
1,4 Dichlorobenzene	8,500	1,800	9,800	13,000	130,000	250,000	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
2-Butanone	300	120	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	26 U	26 U	26 U	26 U	27 U	26 U	27 U	26 U	27 U	26 U
2-Hexanone	NS	NS	NS	NS	NS	NS	26 U	26 U	26 U	26 U	27 U	26 U	27 U	26 U	27 U	26 U
4-Methyl-2-pentanone	1,000	NS	NS	NS	NS	NS	26 U	26 U	26 U	26 U	27 U	26 U	27 U	26 U	27 U	26 U
Acetone	200	50	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	26 U	26 U	26 U	26 U	27 U	26 U	27 U	26 U	27 U	26 U
Benzene	60 or MDL	60	2,900	4,800	44,000	89,000	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Bromodichloromethane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Bromoform	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Bromomethane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Carbon Disulfide	2,700	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Carbon Tetrachloride	600	760	1,400	2,400	22,000	44,000	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Chlorobenzene	1,700	1,100	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Chloroethane	1900	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Chloroform	300	370	10,000	49,000	350,000	700,000	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Chloromethane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
c-1,2-Dichloroethene	NS	250	59,000	100,000 ^a	500,000 ^b	1,000,000 ^c	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
c-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Cyclohexane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Dibromochloromethane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Dichlordifluoromethane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U UJ	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Ethyl Benzene	5,500	1,000	30,000	41,000	390,000	780,000	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Isopropylbenzene	2,300	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
m + p Xylene	1,200*	260	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	10 U	10 U	10 U	11 U	11 U	10 U	11 U	10 U	11 U	10 U
Methyl Acetate	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
ter.ButylMethylEther	120	930	62,000	100,000 ^a	500,000 ^b	1,000,000 ^c	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Methylcyclohexane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Methylene Chloride	100	50	51,000	100,000 ^a	500,000 ^b	1,000,000 ^c	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
o Xylene	1,200*	260	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Styrene	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
t-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Tetrachloroethene	1,400	1,300	5,500	19,000	150,000	300,000	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Toluene	1,500	700	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
t-1,2-Dichloroethene	300	190	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Trichloroethene	NS	47	10,000	21,000	200,000	400,000	5.2 U	5.2 U	5.2 U	5.3 U	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	5.2 U	5.2 U	5.2 U	5.3 U UJ	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U
Vinyl Chloride	200	20	210	900	13,000	27,000	5.2 U	5.2 U	5.2 U	5.3 U UJ	5.3 U	5.1 U	5.3 U	5.2 U	5.3 U	5.1 U

Notes:

NS - No Standard

MDL - Method Detection Limit

(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restrcted Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCO for residential, restricted residential and ecological resources use were capped at a maximum value of 100 ppm.

b - The SCOs for commercial use were capped at a maximum value of 500 ppm.

c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 9

Analytical Results for Sub-Surface Soil - Semi-volatile Organic Compounds (EPA Method 8270)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID:	NYSDEC	Unrestricted		Restricted			SB-1	SB-2	SB-3	SB-4
Sample Depth:	RSCO (1)	Use	Residential	Residential	Commercial	Industrial	18-20'	18-20'	18-20'	18-20'
Laboratory ID:							B1561-01	B1561-02	B1561-03	B1561-04
Sampling Date:		SCO (2)	SCO(3)	SCO(3)	SCO(3)	SCO(3)	3/9/2010	3/9/2010	3/9/2010	3/9/2010
Semi-Volatile Organic Compounds by 8270 - ug/kg										
1,1-Biphenyl	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2,2-oxybis(1-Chloropropane)	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2,4,5-Trichlorophenol	100	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2,4-Dichlorophenol	400	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2,4-Dinitrophenol	200 or MDL	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 UJ
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2,6-Dinitrotoluene	1000	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2-Chlorophenol	800	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2-Methylnaphthalene	36,400	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2-Methylphenol	100 or MDL	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
2-Nitroaniline	430 or MDL	NS	NS	NS	NS	NS	350 U	340 U	340 U	56 J
2-Nitrophenol	330 or MDL	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
3,3'-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
3+4-Methylphenol	900	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
3-Nitroaniline	500 or MDL	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 UJ
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
4-Chloro-3-methylphenol	240 or MDL	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
4-Chloroaniline	220 or MDL	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 UJ
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
4-Nitroaniline	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
4-Nitrophenol	100 or MDL	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Acenaphthene	50,000	20,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	350 U	340 U	340 U	350 U
Acenaphthylene	50,000	100,000 ^a	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	350 U	340 U	340 U	350 U
Acetophenone	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Anthracene	50,000	100,000 ^a	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	350 U	340 U	340 U	350 U
Atrazine	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Benzaldehyde	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 UJ
Benzo(a)anthracene	224 or MDL	1,000 ^c	1,000 ^f	1,000 ^f	5,600	11,000	350 U	340 U	340 U	350 U
Benzo(a)pyrene	61 or MDL	1,000 ^c	1,000 ^f	1,000 ^f	1,000 ^f	1,100	350 U	340 U	340 U	350 U
Benzo(b)fluoranthene	1,100	1,000 ^c	1,000 ^f	1,000 ^f	5,600	11,000	350 U	340 U	340 U	350 U
Benzo(ghi)perylene	50,000	100,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	350 U	340 U	340 U	350 U
Benzo(k)fluoranthene	1,100	800 ^c	1,000	3,900	56,000	110,000	350 U	340 U	340 U	350 U
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
bis(2-Ethylhexyl)phthalate	50,000	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
BenzylButylPhthalate	50,000	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Caprolactam	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Carbazole	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Chrysene	400	1,000 ^c	1,000 ^f	3,900	56,000	110,000	350 U	340 U	340 U	350 U
Dibenzo(a,h)anthracene	14 or MDL	330 ^b	330 ^c	330 ^c	560	1,100	350 U	340 U	340 U	350 U
Dibenzofuran	6,200	7,000	14,000	59,000	350,000	1,000,000 ^c	350 U	340 U	340 U	350 U
Diethyl Phthalate	7,100	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Dimethyl Phthalate	2,000	NS	NS	NS	NS	NS	160 J	140 J	140 J	350 U
Di-n-Butyl Phthalate	8,100	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Di-n-octyl Phthalate	50,000	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Fluoranthene	50,000	100,000 ^a	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	350 U	340 U	340 U	350 U
Fluorene	50,000	30,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	350 U	340 U	340 U	350 U
Hexachlorobenzene	410	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Hexachloroethane	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Indeno(1,2,3-cd)pyrene	3,200	500 ^c	500 ^f	500 ^f	5,600	11,000	350 U	340 U	340 U	350 U
Isophorone	4,400	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Naphthalene(sv)	13,000	12,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	350 U	340 U	340 U	350 U
Nitrobenzene	200 or MDL	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	350 U	340 U	340 U	350 U
Pentachlorophenol	1,000 or MDL	800 ^b	2,400	6,700	6,700	55,000	350 U	340 U	340 U	350 UJ
Phenanthrene	50,000	100,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	350 U	340 U	340 U	350 U
Phenol	30 or MDL	330 ^b	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	350 U	340 U	340 U	350 U
Pyrene	50,000	100,000	100,000 ^a	100,000 ^a	500,000 ^b	1,000,000 ^c	350 U	340 U	340 U	350 U

Notes:

(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restrcted Use of Soil Cleanup Objective Table 375-6.8b 12/06

a - The SCO for residential, restricted residential and ecological resources use were capped at a maximum value of 100 ppm.

b - The SCOs for commercial use were capped at a maximum value of 500 ppm.

c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.

f - For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The associated numerical value is the sample quantitation limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NS - No Standard

NA - Not Analyzed

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 10

Analytical Results for Sub-surface Soil - TAL Metals (EPA Method 6010/7471) / Cyanide (EPA Method 9010)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID:	NYSDEC	Eastern	Unrestricted		Restricted			SB-4	SB-5		SB-6		SB-7	
Sample Depth:	RSCO ⁽¹⁾	USA	Use	Residential	Residential	Commercial	Industrial	18-20'	14-16'	18-20'	14-16'	18-20'	14-16'	18-20'
Laboratory ID:								B1561-04	B1561-05	B1561-06	B1561-07	B1561-08	B1561-11	B1561-12
Sampling Date:		Background	SCO ⁽²⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010	3/9/2010
Metals by 6010 - mg/kg														
Aluminum as Al	SB	33,000	NS	NS	NS	NS	NS	374	443	369	304	270	409	458
Antimony as Sb	SB	N/A	NS	NS	NS	NS	NS	1.64 U	1.91 U	1.93 U	2.26 U	2.64 U	1.61 U	1.87 U
Arsenic as As	7.5 or SB	3-12**	13 ^c	16 ^f	16 ^f	16 ^f	16 ^f	0.66 U	0.26 J	0.77 U	0.37 J	0.55 J	0.63 J	0.75 U
Barium as Ba	300 or SB	15-600	350 ^c	350 ^f	400	400	10,000 ^d	6.18	1.68 J	1.52 J	68.8	44.6	2.72 J	3.57 J
Beryllium as Be	0.16 or SB	0-1.75	7	14	72	590	2,700	0.2 U	0.23 U	0.23 U	0.27 U	0.32 U	0.19 U	0.22 U
Cadmium as Cd	1 or SB	0.1-1	2.5 ^c	2.5 ^f	4.3	9.3	60	0.2 U	0.23 U	0.23 U	0.27 U	0.32 U	0.19 U	0.05 J
Calcium as Ca	SB	130-35,000	NS	NS	NS	NS	NS	68.1	44.3 J	31.9 J	63.5 J	43.6 J	37.5 J	43.2 J
Chromium as Cr	10 or SB	1.5-40**	30 ^c	36	180	1,500	6,800	55.4	2.05	2.98	8.05	4.71	4.24	4.4
Cobalt as Co	30 or SB	2.5-60**	NS	NS	NS	NS	NS	0.99 U	1.15 U	1.16 U	1.36 U	1.58 U	0.97 U	1.12 U
Copper as Cu	25 or SB	1-50	50	270	270	270	10,000 ^d	5.57	1.09	3.53	2.13	1.04 J	0.88	0.74 J
Iron as Fe	2,000 or SB	2,000-550,000	NS	NS	NS	NS	NS	1,520	1,270	1,510	1,260	1,520	1,570	1,240
Lead as Pb	500***	****	63 ^c	400	400	1,000	3,900	135	5.3	11.2	12.7	7.43	1.12	0.68
Magnesium as Mg	SB	100-5,000	NS	NS	NS	NS	NS	65.7 U	81.2	71.6 J	91.1	92.1 J	58 J	159
Manganese as Mn	SB	50-5,000	1,600 ^c	2,000 ^f	2,000 ^f	10,000 ^d	10,000 ^d	5.3 J	10.9	8.85	5.9	6.86	15.1	10.9
Mercury as Hg	0.1	0.001-0.2	0.18 ^c	0.81 ^j	0.81 ^j	2.8 ^j	5.7 ^j	0.011 U	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Nickel as Ni	13 or SB	0.5-25	30	140	310	310	10,000 ^d	0.34 J	0.5 J	1.55 U	0.48 J	2.11 U	0.51 J	0.68 J
Potassium as K	SB	8,500-43,000**	NS	NS	NS	NS	NS	27.9 J	46.5 J	53.8 J	79.7 J	57.9 J	34.6 J	118
Selenium as Se	2 or SB	0.1-3.9	3.9 ^c	36	180	1,500	6,800	0.66 U	0.5 J	0.77 U	0.38 J	0.45 J	0.52 J	0.33 J
Silver as Ag	SB	N/A	2	36	180	1,500	6,800	0.33 U	0.38 U	0.39 U	0.45 U	0.53 U	0.32 U	0.37 U
Sodium as Na	SB	6,000-8,000	NS	NS	NS	NS	NS	65.7 U	51 J	44.8 J	62.7 J	68.3 J	37.4 J	46.8 J
Thallium as Tl	SB	N/A	NS	NS	NS	NS	NS	1.31 U	1.53 U	1.55 U	1.81 U	2.11 U	1.29 U	1.49 U
Vanadium as V	150 or SB	1-3000	NS	NS	NS	NS	NS	1.54	2.57	1.71	1.57 J	1.53 J	1.89	2.93
Zinc as Zn	20 or SB	9-50	109 ^c	2,200	10,000 ^d	10,000 ^d	10,000 ^d	34.9	3.61	4.84	8.88	10.3	7.15	27.8
Total Cyanide by 9010 - mg/kg														
Cyanide	***	N/A	27	27	27	27	10,000 ^d	0.526 U	0.532 U	0.518 U	0.534 U	0.528 U	0.531 U	0.515 U

Notes:

- (1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
- (2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8b 12/06
- (3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restrcted Use of Soil Cleanup Objective Table 375-6.8b 12/06
- a - The SCO for residential, restricted residential and ecological resources use were capped at a maximum value of 100 ppm.
- b - The SCOs for commercial use were capped at a maximum value of 500 ppm.
- c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.
- d - The SCOs for metals were capped at a maximum value of 10,000 ppm.
- f - For constituents where the calculated SCO was lower than the rural soil background concentration, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
- j - This SCO is the lower of the values for mercury.
- U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- ** - New York State Background
- *** - Some forms of Cyanide are complex and very stable while other forms are pH dependent and hence are very unstable. Site-specific form(s) of Cyanide should be taken into consideration when establishing soil cleanup objective.
- **** - Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 11

Monitoring Well Construction / Groundwater Elevation

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Well Designation	Screened Aquifer Zone	Depth of Well (ft bmp)	Reference Elevation (ft rad)	Depth to Water (ft bmp)	Water Elevation
MW-1	Water Table	79.90	104.78	57.49	47.29
MW-4	Water Table	64.82	108.04	58.75	49.29
MW-5	Water Table	64.92	106.59	60.31	46.28

Notes:

ft - feet

bmp - below marked point

rad - relative to arbitrary datum

Table 12

Analytical Results for Groundwater - Volatile Organic Compounds (EPA Method 8260)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID:	NYSDEC	MW-1	MW-4	MW-5
Laboratory ID:	AWQS ⁽¹⁾	B1773-01	B1773-04	B1773-05
Sampling Date:		4/1/2010	4/1/2010	4/1/2010
Volatile Organic Compounds by 8260				
1,1,1-Trichloroethane	5	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U
1,1 Dichloroethane	4	1 U	1 U	1 U
1,1 Dichloroethene	5	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	NS	1 U	1 UJ	1 U
1,2 Dibromoethane	NS	1 U	1 U	1 U
1,2 Dichlorobenzene	3	1 U	1 U	1 U
1,2 Dichloroethane	0.6	1 U	1 U	1 U
1,2 Dichloropropane	1	1 U	1 U	1 U
1,3 Dichlorobenzene	3	1 U	1 U	1 U
1,4 Dichlorobenzene	3	1 U	1 U	1 U
2-Butanone	NS	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U
Acetone	50	5 U	5 UJ	5 U
Benzene	0.7	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U
Bromoform	50	1 U	1 UJ	1 U
Bromomethane	5	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 UJ	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U
Cyclohexane	NS	1 U	1 U	1 U
Dibromochloromethane	NS	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U
m/p Xylene	5	2 U	2 U	2 U
Methyl Acetate	NS	1 U	1 U	1 U
ter. Butyl Methyl Ether	10	1 U	1 U	1 U
Methylcyclohexane	NS	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U
t-1,3-Dichloropropene	NS	1 U	1 U	1 U
Tetrachloroethene	NS	1 U	1 U	1 U
Toluene	0.4	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U
Trichloroethene	NS	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U
TVOCs		0	0	0

Notes:

All concentrations are ug/L (ppb)

(1) Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998

U - Indicates that the analyte was not detected above the laboratory MDL

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte

J - Indicates an estimated value

B - Indicates the analyte was detected in the method blank

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NS - Not Specified

NA- Not Analyzed

Highlighted values indicate exceedance of AWQS

Table 13

Analytical Results for Groundwater - Semi-volatile Organic Compounds (EPA Method 8270)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID:	NYSDEC	MW-1	MW-4	MW-5
Laboratory ID:	AWQS ⁽¹⁾	B1773-01	B1773-04	B1773-05
Sampling Date:		4/1/2010	4/1/2010	4/1/2010
Semi-Volatile Organic Compounds by 8270				
1,1-Biphenyl	NS	11 U	10 U	10 U
2,2-oxybis(1-Chloropropane)	NS	11 U	10 U	10 U
2,4,5-Trichlorophenol	1	11 U	10 U	10 U
2,4,6-Trichlorophenol	NS	11 U	10 U	10 U
2,4-Dichlorophenol	1	11 U	10 U	10 U
2,4-Dimethylphenol	NS	11 U	10 U	10 U
2,4-Dinitrophenol	5	11 U	10 U	10 U
2,4-Dinitrotoluene	5	11 U	10 U	10 U
2,6-Dinitrotoluene	5	11 U	10 U	10 U
2-Chloronaphthalene	10	11 U	10 U	10 U
2-Chlorophenol	50	11 U	10 U	10 U
2-Methylnaphthalene	NS	11 U	10 U	10 U
2-Methylphenol	5	11 U	10 U	10 U
2-Nitroaniline	5	11 U	10 U	10 U
2-Nitrophenol	5	11 U	10 U	10 U
3,3'-Dichlorobenzidine	5	11 U	10 U	10 U
3+4-Methylphenols	50	11 U	10 U	10 U
3-Nitroaniline	5	11 U	10 U	10 U
4,6-Dinitro-2-methylphenol	NS	11 U	10 U	10 U
4-Bromophenyl phenyl ether	NS	11 U	10 U	10 U
4-Chloro-3-methylphenol	5	11 U	10 U	10 U
4-Chloroaniline	5	11 U	10 U	10 U
4-Chlorophenyl phenyl ether	NS	11 U	10 U	10 U
4-Nitroaniline	5	11 U	10 U	10 U
4-Nitrophenol	5	11 U	10 UJ	10 U
Acenaphthene	20	11 U	10 U	10 U
Acenaphthylene	20	11 U	10 U	10 U
Acetophenone	NS	11 U	10 U	10 U
Anthracene	50*	11 U	10 U	10 U
Atrazine	NS	11 U	10 U	10 U
Benzaldehyde	NS	11 U	10 R	10 U
Benz(a)anthracene	0.002	11 U	10 U	10 U
Benzo(a)pyrene	ND	11 U	10 U	10 U
Benzo(b)fluoranthene	0.002	11 U	10 U	10 U
Benzo(ghi)perylene	NS	11 U	10 U	10 U
Benzo(k)fluoranthene	0.002	11 U	10 U	10 U
Bis(2-chloroethoxy)methane	5	11 U	10 U	10 U
Bis(2-chloroethyl)ether	1	11 U	10 U	10 U
Bis(2-ethylhexyl)phthalate	5	11 U	10 U	10 U
BenzylButylPhthalate	50	11 U	10 U	10 U
Caprolactam	NS	11 U	10 U	10 U
Carbazole	NS	11 U	10 U	10 U
Chrysene	0.002	11 U	10 U	10 U
Dibenzo(a,h)anthracene	50	11 U	10 U	10 U
Dibenzofuran	NS	11 U	10 U	10 U
Diethyl Phthalate	50	11 U	10 U	10 U
Dimethyl Phthalate	50	11 U	10 U	10 U
Di-n-Butyl Phthalate	50	11 U	10 U	10 U
Di-n-octyl Phthalate	50*	11 U	10 U	10 U
Fluoranthene	50	11 U	10 U	10 U
Fluorene	50	11 U	10 U	10 U
Hexachlorobenzene	0.04	11 U	10 U	10 U
Hexachlorobutadiene	0.5	11 U	10 U	10 U
Hexachlorocyclopentadiene	5	11 U	10 U	10 U
Hexachloroethane	5	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002	11 U	10 U	10 U
Isophorone	50	11 U	10 U	10 U
Naphthalene	10	11 U	10 U	10 U
Nitrobenzene	0.4	11 U	10 U	10 U
N-Nitrosodi-n-propylamine	50	11 U	10 U	10 U
N-Nitrosodiphenylamine	50	11 U	10 U	10 U
Pentachlorophenol	1	11 U	10 U	10 U
Phenanthrene	50	11 U	10 U	10 U
Phenol	1	11 U	10 U	10 U
Pyrene	50	11 U	10 U	10 U

Notes:

All concentrations are ug/L (ppb)

(1) Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998

U - Indicates that the analyte was not detected above the laboratory MDL

J - Indicates an estimated value

B - Indicates the analyte was detected in the method blank

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

NS - Not Specified

NA- Not Analyzed

Highlighted values indicate exceedance of AWQS

Table 14

Groundwater Analytical Results - TAL Metals by EPA Method 6010

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID: Laboratory ID: Sampling Date:	NYSDEC AWQS ⁽¹⁾	MW-1		MW-4		MW-5	
		Total	Dissolved	Total	Dissolved	Total	Dissolved
		B1773-01 4/1/2010	B1773-09 4/1/2010	B1773-04 4/1/2010	B1773-12 4/1/2010	B1773-05 4/1/2010	B1773-13 4/1/2010
Metals by 6010/7471							
Aluminum as Al	NS	225	95.3	75.2	57.6	54.7	19.7
Antimony as Sb	3	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic as As	25	10 U	10 U	10 U	10 U	10 U	10 U
Barium as Ba	1,000	54.1	50.7	50 U	50 U	30.8 J	31.3 J
Beryllium as Be	3	3 U	3 U	3 U	3 U	3 U	3 U
Cadmium as Cd	5	3 U	3 U	3 U	3 U	3 U	3 U
Calcium as Ca	NS	30,000	30,700	15,800	15,800	15,700	15,500
Chromium as Cr	50	10.5	5	5 U	5 U	2.77 J	5 U
Cobalt as Co	NS	15 U	15 U	15 U	15 U	15 U	15 U
Copper as Cu	200	22.5	10.6	24.3	14.6	9.88 J	10 U
Iron as Fe	500	324	216	65.1	27 J	53.5	50 U
Lead as Pb	25	3.1 J	3.25 J	6 U	6 U	2.72 J	6 U
Magnesium as Mg	35,000	6,480	6,590	1,170	1,210	2,670	2,690
Manganese as Mn	300	42.9	17.1	57.7	57.1	34.1	33.6
Mercury as Hg	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel as Ni	100	7.81 J	4.42 J	20 U	20 U	20 U	20 U
Potassium as K	NS	3,050	3,060	1,630	1,610	897 J	911 J
Selenium as Se	10	10 U	10 U	10 U	10 U	10 U	10 U
Silver as Ag	50	5 U	5 U	5 U	5 U	5 U	5 U
Sodium as Na	20,000	25,800	25,900	7,150	7,160	23,000	23,700
Thallium as Tl	0.5	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium as V	NS	20 U	20 U	20 U	20 U	20 U	20 U
Zinc as Zn	2,000	63.7	60.1	12,700	12,700	12.8 J	12 J
Cyanide by 9010							
Cyanide	400	0.01 U	NA	0.01 U	NA	0.01 U	NA

Notes:

All concentrations are ug/L (ppb)

(1) Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998

U - Indicates that the analyte was not detected above the laboratory MDL

J - Indicates an estimated value

B - Indicates the analyte was detected in the method blank

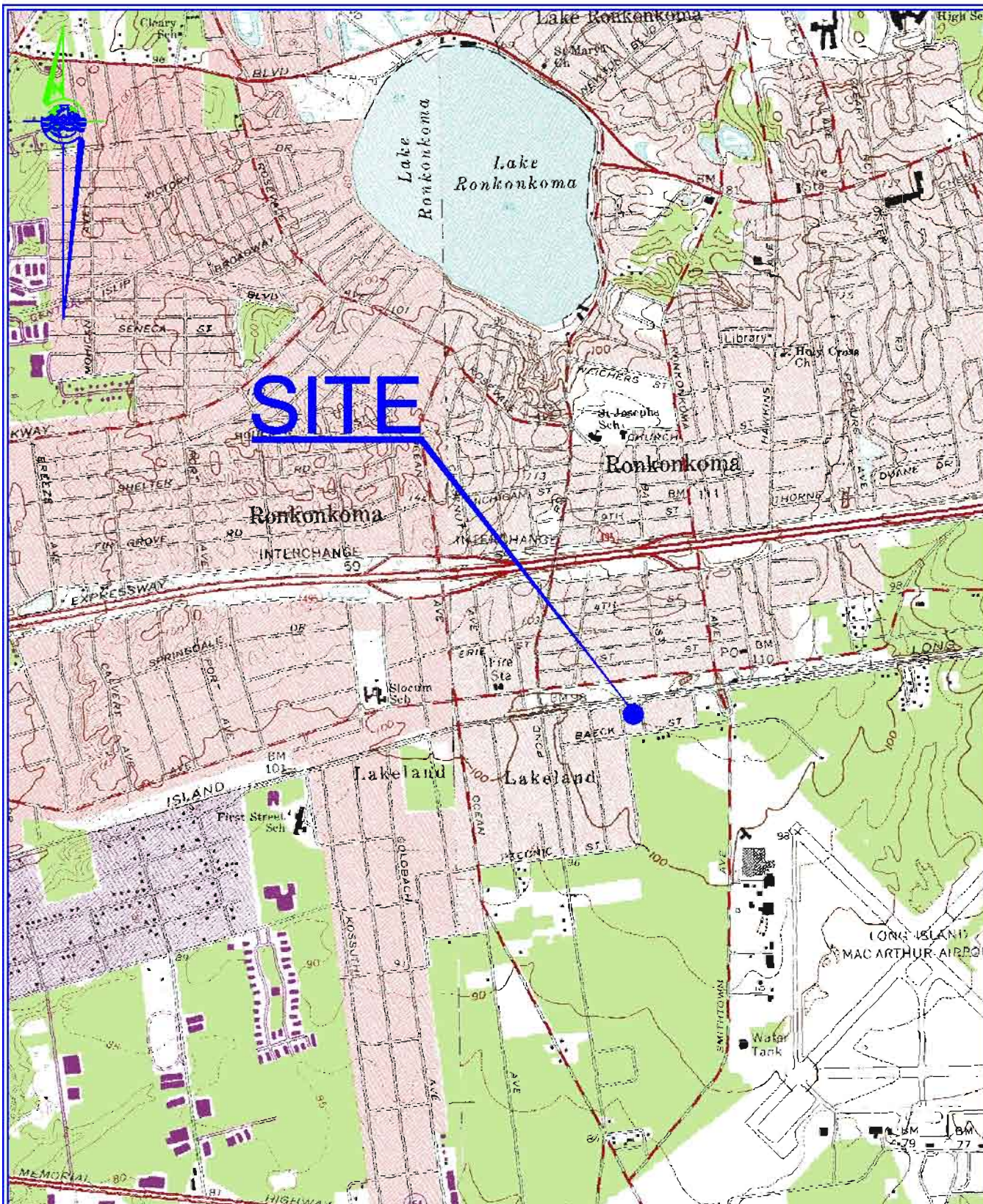
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NS - Not Specified

NA- Not Analyzed

Highlighted values indicate exceedance of AWQS

FIGURES



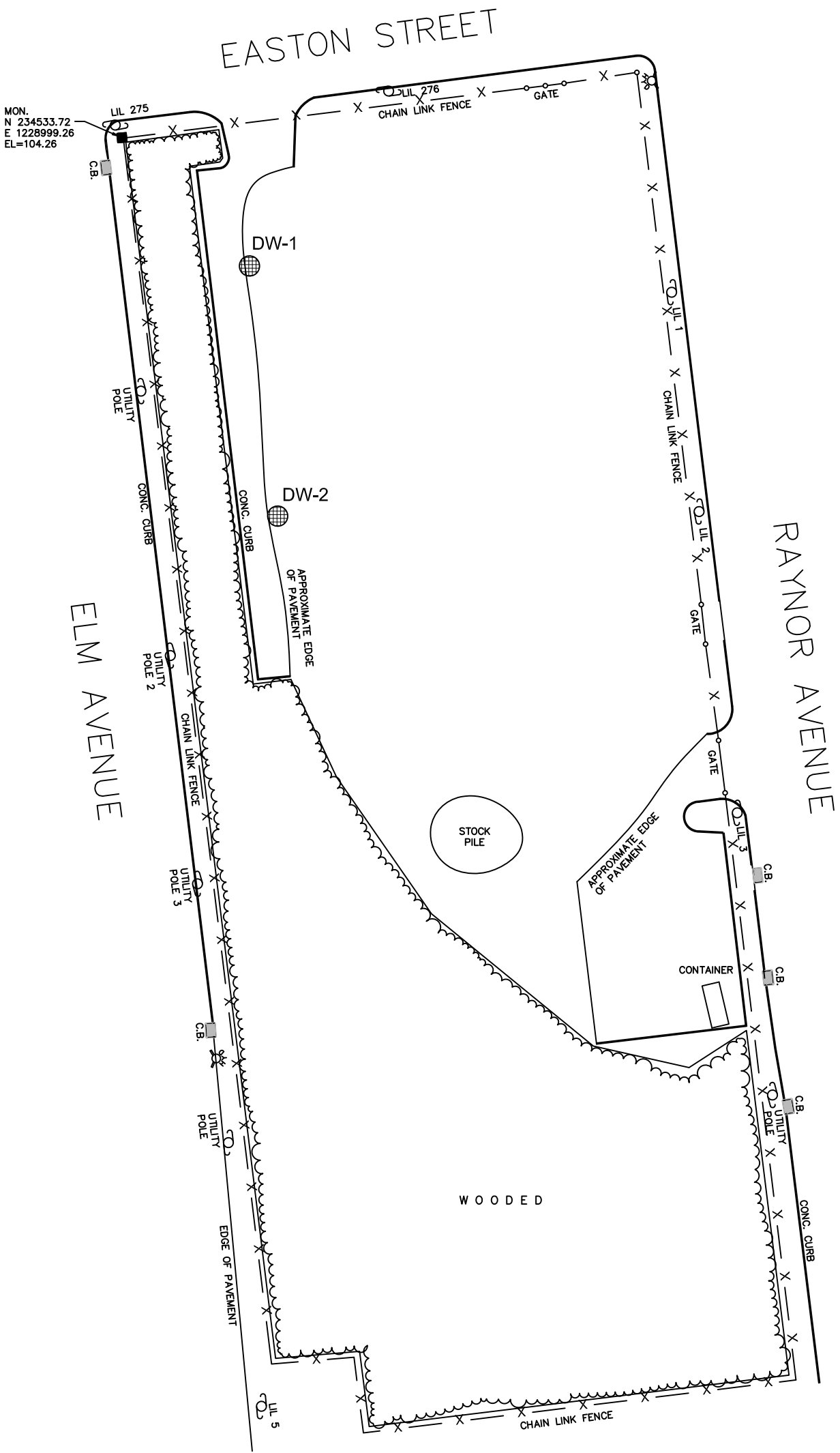
VICINITY MAP

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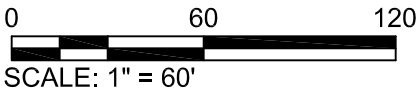
Mapped, edited, and published by the Geological Survey
Revised in cooperation with New York
Department of Transportation

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SCALE: 1" = 60'



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DATE OF SURVEY: 03/16/2010

LEGEND



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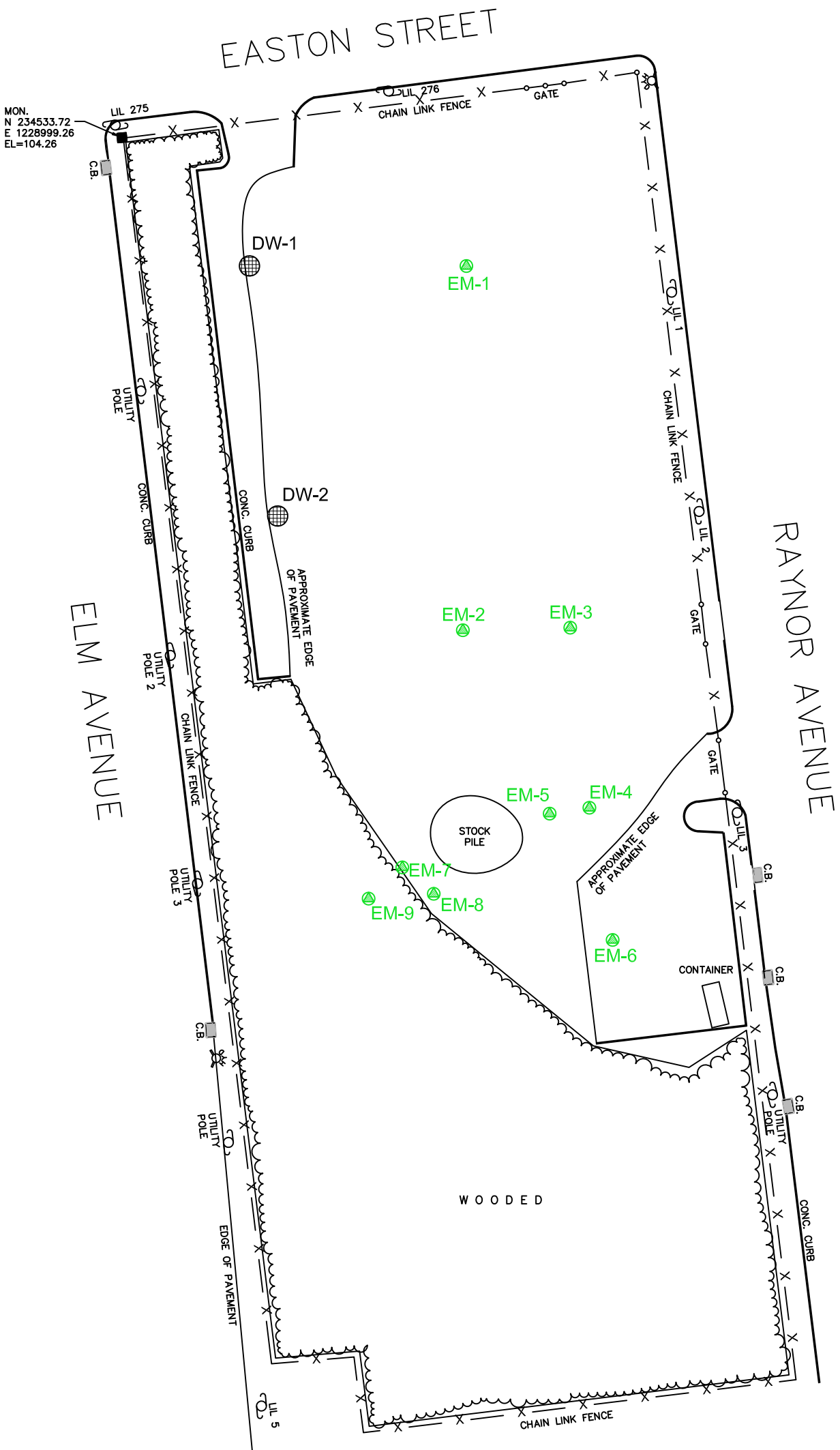
FIGURE NO.

2

SHEET

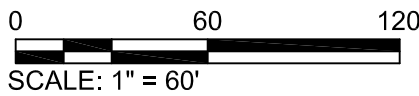
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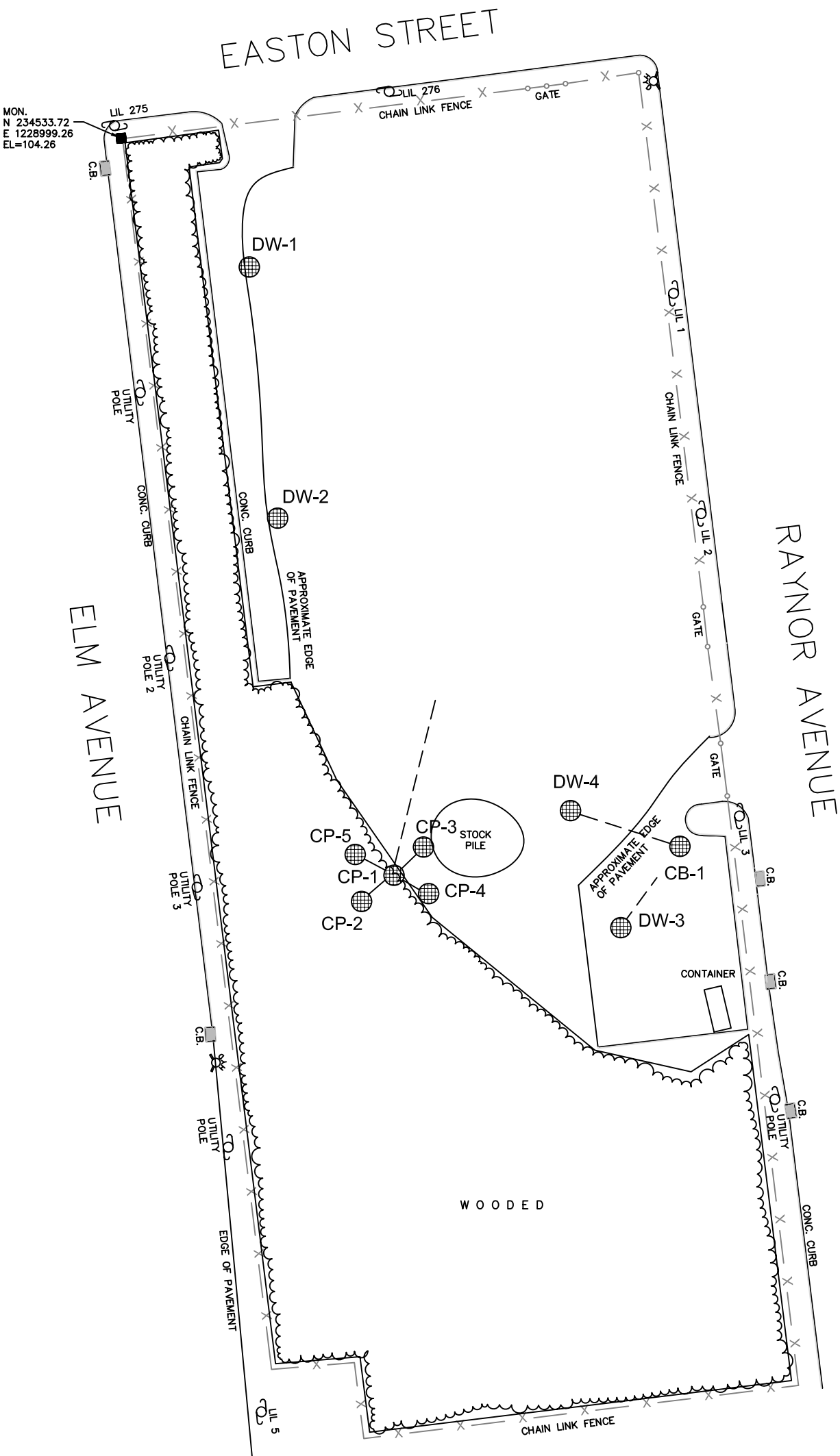
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 EM-1
 EM ANNOMOLY LOCATIONS

SCALE: 1" = 60'



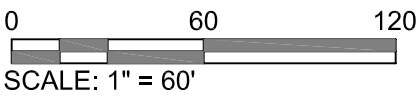
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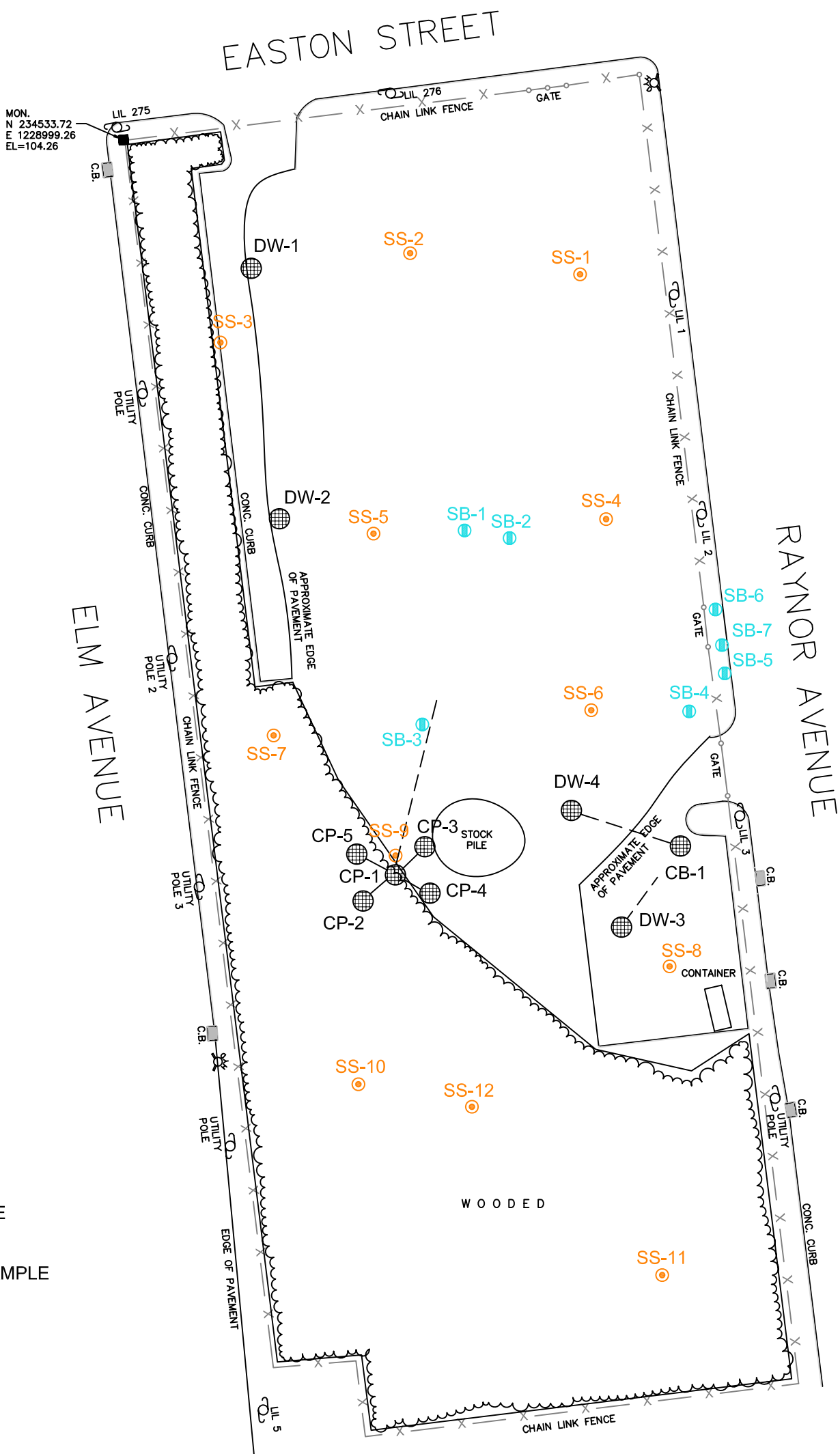
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SURFACE/
SUB-SURFACE SOIL
SAMPLE LOCATIONS

934 EASTON STREET
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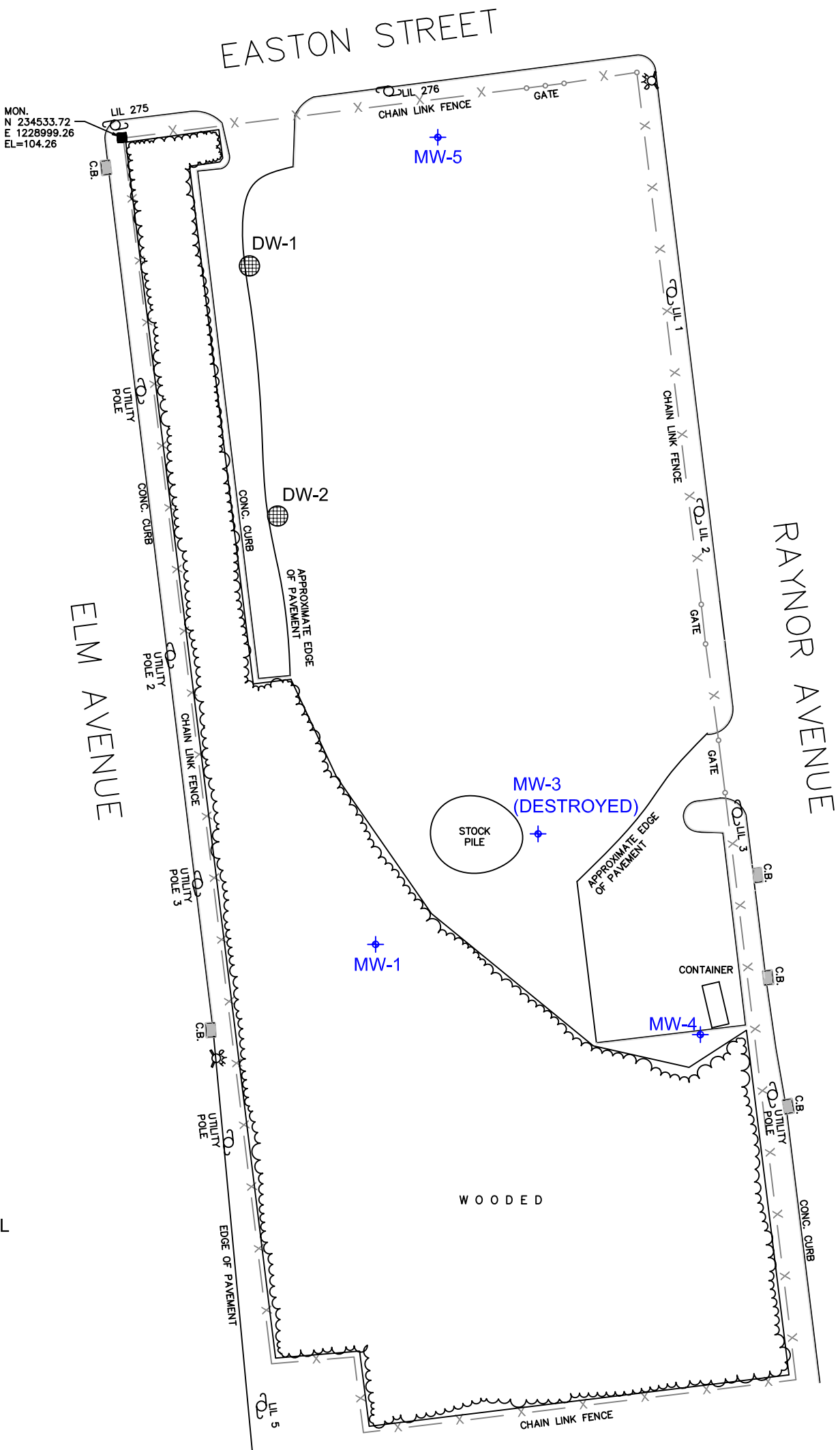
FIGURE NO

5

SHEET

9

OE



MW-1

MONITORING WELL LOCATIONS

W O O D E D

MONITORING WELL LOCATIONS

0 60 120

SCALE: 1" = 60'

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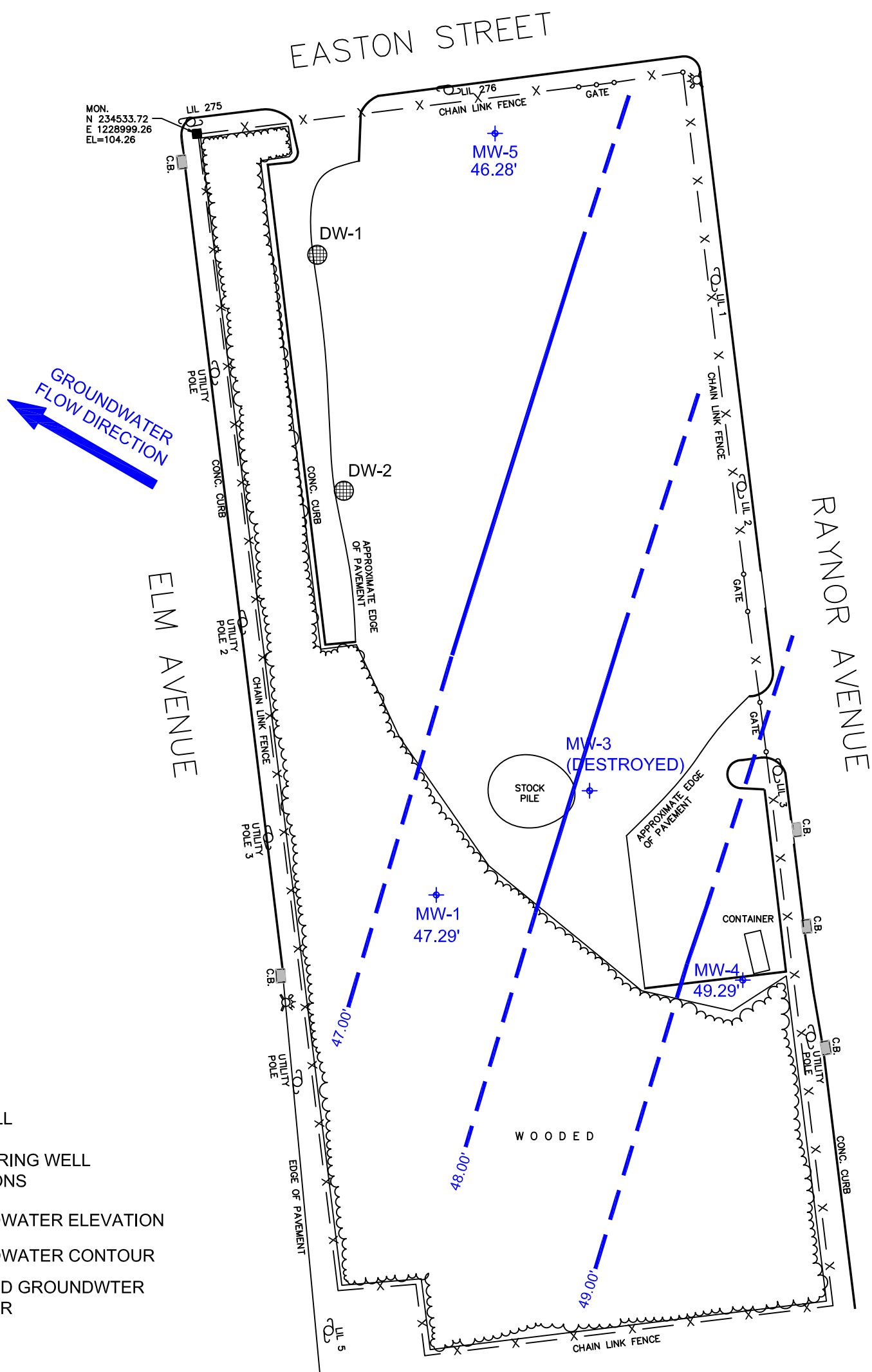
934 EASTON STREET
RONKONKOMA, NY

FIGURE NO.

6

SHEET

OF



DRYWELL



MONITORING WELL LOCATIONS

47.00'

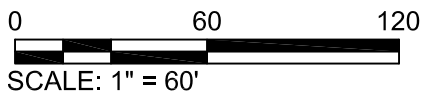
GROUNDWATER ELEVATION

GROUNDWATER CONTOUR

INFERRED GROUNDWATER CONTOUR

GROUNDWATER CONTOUR MAP

SCALE: 1" = 60'



630 JOHNSON AVE. • SUITE 7
BOHEMIA, NY • 11716-2618
PH: (631)589-6353 • FX: (631)589-8705
E-MAIL: INFO@PWGROSSER.COM

CONSULTANTS

DRAWINGS PREPARED FOR

SHEET TITLE

GROUNDWATER CONTOUR MAP

934 EASTON STREET
RONKONKOMA, NY

FIGURE NO.

7

SHEET

OF

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING
AND RELATED DOCUMENTS IS A VIOLATION OF
SEC. 7209 OF THE N.Y.S. EDUCATION LAW

APPENDIX A

HISTORICAL DOCUMENTS

CONSULTANTS

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING
AND RELATED DOCUMENTS IS A VIOLATION OF
SEC. 7209 OF THE N.Y.S. EDUCATION LAW

DRAWINGS PREPARED FOR

REVISION DATE INITIAL COMMENTS

DRAWING INFORMATION

PROJECT:	SHD1202	APPROVED BY:	PWG
DESIGNED BY:	JE	DATE:	02/13/13
DRAWN BY:	JML	SCALE:	AS SHOWN

SHEET TITLE

HISTORICAL
SITE PLAN

934 EASTON STREET
RONKONKOMA, NY

FIGURE NO

1

SHEET

1 OF 1

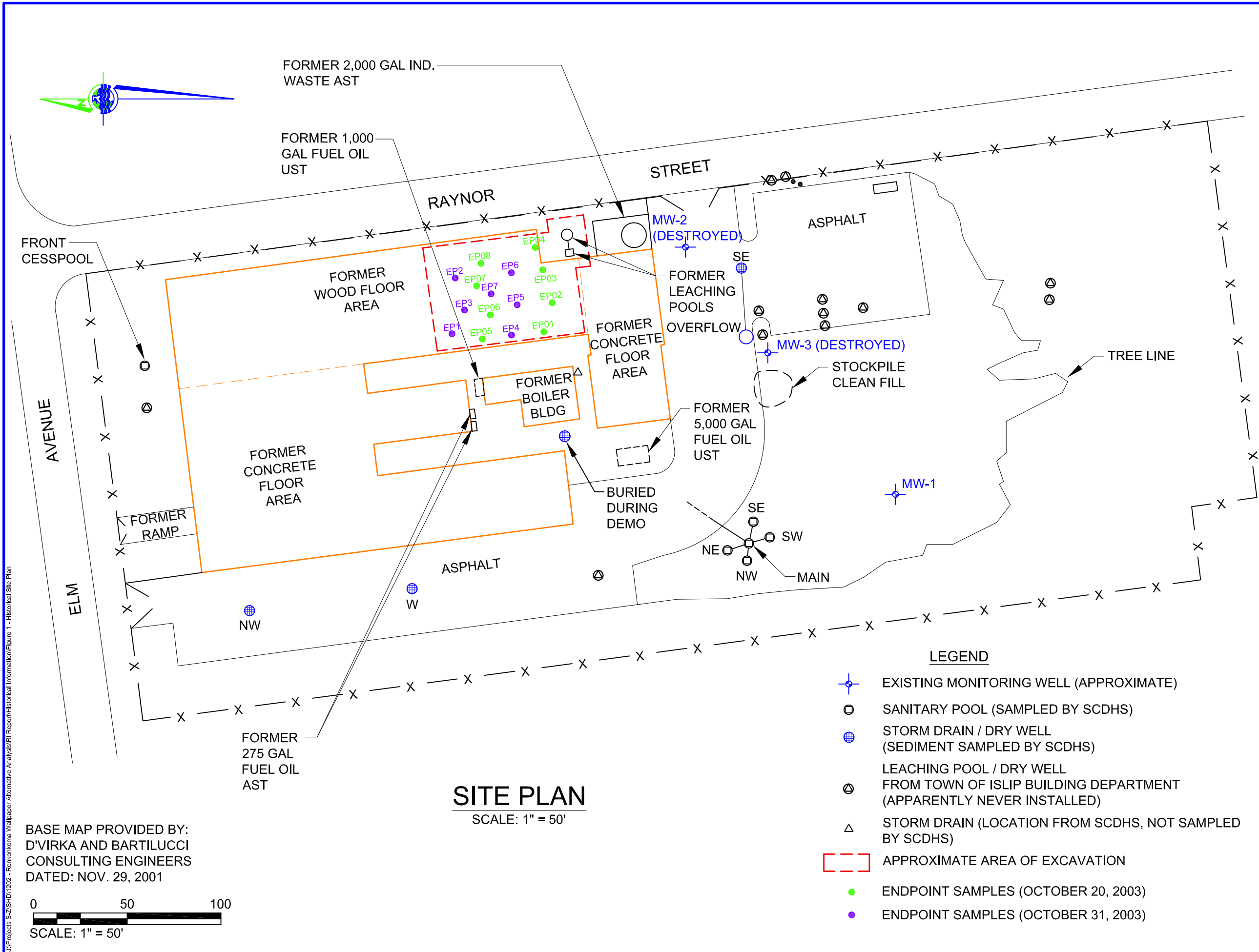


Table 1

Endpoint Analytical Results - Metals (EPA Method 6010)

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID:	Eastern	Unrestricted	Residential	Restricted	Commercial	Industrial	EP-1	EP-2	EP-3	EP-4	EP-5	EP-6	EP-7	
Sample Depth:	USA	Use	Residential	Residential	Commercial	Industrial	1'	1'	1'	1'	1'	1'	1'	
Sampling Date:	Background	SCO ⁽²⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	10/20/2003	10/20/2003	10/20/2003	10/20/2003	10/20/2003	10/20/2003	10/20/2003	
Metals by 6010 - mg/kg														
Chromium as Cr	1.5-40**	30 ^c	36	180	1,500	6,800	416	185	453	21	39	792	36	
Copper as Cu	1-50	50	270	270	270	10,000 ^d	150	516	1,000	13	80	3,340	58	
Lead as Pb	****	63 ^c	400	400	1,000	3,900	2,000	978	1,800	52	171	4,000	113	
Client Sample ID:	Eastern	Unrestricted	Residential	Restricted	Commercial	Industrial	EP-01	EP-02	EP-03	EP-04	EP-05	EP-06	EP-07	EP-08
Sample Depth:	USA	Use	Residential	Residential	Commercial	Industrial	2'	2'	2'	2'	2'	2'	2'	2'
Sampling Date:	Background	SCO ⁽²⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	10/31/2003	10/31/2003	10/31/2003	10/31/2003	10/31/2003	10/31/2003	10/31/2003	10/31/2003
Metals by 6010 - mg/kg														
Chromium as Cr	1.5-40**	30 ^c	36	180	1,500	6,800	10 U	32.2	47.9	37.9	28.7	15.4	17.9	15.6
Copper as Cu	1-50	50	270	270	270	10,000 ^d	10 U	16.8	76.4	41.2	24.8	10 U	14.1	10 U
Lead as Pb	****	63 ^c	400	400	1,000	3,900	16.4	114	239	98.5	106	10 U	10 U	10 U
Client Sample ID:	Eastern	Unrestricted	Residential	Restricted	Commercial	Industrial	Rectangular Block Pool		Circular Block Pool		East Wall of Excavation			
Sample Depth:	USA	Use	Residential	Residential	Commercial	Industrial	10'		14'		14'			
Sampling Date:	Background	SCO ⁽²⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	SCO ⁽³⁾	3/8/2004		3/8/2004		3/8/2004			
Metals by 6010 - mg/kg														
Chromium as Cr	1.5-40**	30 ^c	36	180	1,500	6,800	23.2		3.39		205			
Copper as Cu	1-50	50	270	270	270	10,000 ^d	NA		1.26		41.6			
Lead as Pb	****	63 ^c	400	400	1,000	3,900	114		11.1		1,300			

Notes:

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8b 12/06

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restricted Use of Soil Cleanup Objective Table 375-6.8b 12/06

c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.

d - The SCOs for metals were capped at a maximum value of 10,000 ppm.

NA - Not analyzed

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The associated numerical value is the sample quantitation limit.

** - New York State Background

**** - Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO**Bold / Shaded text denotes concentrations exceeding NYSDEC Residential Use SCO****Bold / Shaded text denotes concentrations exceeding NYSDEC Restricted Residential Use SCO****Bold / Shaded text denotes concentrations exceeding NYSDEC Commercial Use SCO****Bold / Shaded text denotes concentrations exceeding NYSDEC Industrial Use SCO**

Table 2
Analytical Results for UIC Structures

Former Ronkonkoma Wallpaper Site

934 Easton Street - Ronkonkoma, New York

Client Sample ID:	SCDHS Action Levels ⁽¹⁾	Unrestricted Use	Residential	Restricted Residential	Commercial	Industrial	Front Cesspool	Boil Bldg Drywell	Main San, Dist Pool	NE San. Overflow	SE San. Overflow	SW San. Overflow	NW San. Overflow	West Storm Drain	SE Storm Drain	NW Storm Drain
Sampling Date:		SCO (2)	SCO(3)	SCO(3)	SCO(3)	SCO(3)	5/4/2000	5/4/2000	5/4/2000	5/4/2000	5/4/2000	5/4/2000	5/4/2000	4/18/200	4/18/200	4/18/200
Metals - USEPA Method 6010 - mg/kg																
Aluminum	NS	NS	NS	NS	NS	NS	1,500	3,700	1,400	4,900	350	670	720	NA	NA	NA
Barium	NS	350 ^c	350 ^d	400	400	10,000 ^d	380	2,400	230	1,400	NA	NA	210	NA	NA	NA
Cadmium	40	2.5 ^c	2.5 ^d	4.3	9.3	60	NA	NA	NA	NA	NA	NA	NA	2	2	3
Chromium	100	30 ^c	36	180	1,500	6,800	30	50	40	35	NA	NA	NA	10	NA	NA
Copper	8,500	50	270	270	270	10,000 ^d	300	220	35	150	NA	NA	15	45	NA	NA
Iron	NS	NS	NS	NS	NS	NS	7,300	12,000	1,900	6,200	NA	NA	2,500	NA	NA	NA
Lead	2,000	63 ^c	400	400	1,000	3,900	130	310	160	230	NA	NA	25	55	1,200	130
Manganese	NS	1,600 ^c	2,000 ^d	2,000 ^d	10,000 ^d	10,000 ^d	10	70	25	190	15	30	20	NA	NA	NA
Zinc	NS	109 ^c	2,200	10,000 ^d	10,000 ^d	10,000 ^d	55	470	60	290	15	NA	45	NA	NA	NA
VOCs - USEPA Method 8260 - µg/kg																
Ethylbenzene	2,000	1,000	30,000	41,000	390,000	780,000	NA	NA	NA	NA	NA	NA	NA	42	NA	NA
Tetrachloroethene	2,600	1,300	5,500	19,000	150,000	300,000	58	NA	NA	NA	NA	NA	NA	NA	NA	NA
d-Limonene	NS	NS	NS	NS	NS	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

(1) Suffolk County Dept. of Health Services, Article 12 - SOP 9-95, Action Levels, July 2010.

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8b 12/06

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restrcted Use of Soil Cleanup Objective Table 375-6.8b 12/06

** - Remediation determined on a case by case basis

c - The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm.

d - The SCOs for metals were capped at a maximum value of 10,000 ppm.

NA - Not analyzed

NS - N o Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The associated numerical value is the sample quantitation limit.

Bold / Shaded text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Bold / Shaded text denotes concentrations exceeding NYSDEC Residential Use SCO

Bold / Shaded text denotes concentrations exceeding NYSDEC Restricted Residential Use SCO

Bold / Shaded text denotes concentrations exceeding NYSDEC Commercial Use SCO

Bold / Shaded text denotes concentrations exceeding NYSDEC Industrial Use SCO

APPENDIX B

GEOPHYSICAL REPORT



3 Mystic Lane
Malvern, PA 19355
(610) 722-5500 (ph.)
(610) 722-0250 (fax)

March 10, 2010
Reference: 10-150-1

Mr. Zeb Youngman
P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716

Subject: Geophysical Investigation Results
Former Ronoknkoma Wallpaper Site
934 Easton Street
Ronkonkoma, New York

Dear Mr. Youngman:

Advanced Geological Services (AGS) presents this letter report to P.W. Grosser Consulting (PWGC) summarizing the geophysical investigation completed by AGS on March 8, 2010 at the Former Ronkonkoma Wallpaper Site located at 934 Easton Street, Ronkonkoma, New York.

The site encompasses approximately 3.3 acres. At the time of the geophysical investigation there were no buildings present on the property. The property southern end of the property was wooded, and the remainder of the property was open. The objective of the investigation was to locate potential cesspools/sanitary structures, drywells, USTs, or other structures that may represent potential contaminant sources.

Methods

To achieve the project objectives, AGS utilized a combination of the terrain conductivity electromagnetic (EM) method and the ground penetrating radar (GPR) method.

Terrain Conductivity Electromagnetic (EM) Method

Terrain conductivity EM data was collected across accessible portions of the site to identify potential features of potential environmental concern. The EM method uses the principle of electromagnetic induction to measure the variability of terrain conductivity of subsurface materials. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects, although it is equally sensitive to metal objects on the ground surface, as well as some naturally occurring geologic features.

A Geonics EM31 terrain conductivity EM instrument was used to collect EM data throughout the investigation area. The EM31 operates in accordance with the theory of operation at low induction numbers. An alternating current is passed through the transmitter coil to induce eddy currents into the ground. These eddy currents generate a secondary magnetic field. A component of the induced magnetic field is detected by a receiver coil and measured by the instrument. The receiver measures the field strength of both the quadrature and the in-phase components. The quadrature response is displayed

as terrain conductivity in units of milliSeimens per meter (mS/m). The in-phase response is displayed in units of parts per thousand (ppt) of the transmitted signal.

In the un-wooded portions of the site, EM data were collected along parallel traverses spaced 5 feet apart. Two EM measurements were recorded every second to provide detailed coverage along each traverse. The geographical coordinates of each reading was determined using a Trimble Pro-XRS global positioning system (GPS) with sub-meter accuracy and was recorded along with the EM reading. Real-time navigation was also achieved using the GPS instrument.

Within the wooded portions of the site EM data were recorded wherever it was possible to access with the EM and GPS instruments. The wooded area had relatively thick underbrush, many low hanging branches and blow-down debris on the ground surface that made access with the 12-foot long EM31, the GPS with the backpack mounted antenna that extends 2 feet above the backpack and the associated cables for the two field computers very difficult.

Upon completion of EM data collection, the data were transferred to a laptop computer and contoured to identify potential anomalous features. Anomalies indicating the presence of buried metal were temporarily marked in the field, and were further investigated using the GPR method to further characterize the source of the anomaly.

Ground Penetrating Radar (GPR) Method

The ground penetrating radar (GPR) method was used to further characterize buried features identified from the EM results. The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of the down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR response. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using known soil velocity functions.

The GPR field procedures involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office. Each radar profile was examined for characteristic GPR signatures that may indicate the presence of buried targets.

A GSSI SIR-3000 GPR system and a 400 megahertz (MHz) antenna were used with a recording window of 60 nanoseconds (ns) to provide depth of penetration of up to approximately 10 feet. GPR data were collected in a grid pattern across identified EM anomalies to further characterize the source of the anomaly. Identified anomalies were marked on site with either pin flags or spray paint.

Results and Discussion

A site map showing observed site features and EM results is shown on Figure 1. Generally the EM background level at the site was low and noise free indicating that the site is predominantly free of large amounts of buried debris. Several EM anomalies were caused by the presence of surface metal or debris observed during the time of EM data collection.

Two dry wells were observed in the asphalt covered portion of the site on the western side of the property (Figure 1). The EM response to these known dry wells indicates that a dry well at this site would likely be expected to produce a strong positive EM in-phase response.

A total of 11 EM anomalies were identified from the contoured EM results (Figure 1). Anomalies 1 through 9 were identified during on-site field activities, were investigated further with GPR methods, and were marked on site with orange pin flags. Anomalies 10 and 11 are located in areas where some surface debris was present and were initially not deemed significant until final review of the EM results in the office after overlaying the EM results on the historic base map provided by PWGC.

All of the EM anomalies showed either a positive or negative deviation from the EM background level. Anomalies 1 through 6 were all locations where there was no observed metal or other anomaly source on the ground surface (Figure 1). Anomalies 7, 8, and 9 were located on the west side of the dirt/fill pile near the center of the property, in an area where there a thin layer of fill that could be 1 to 2 feet thick that contains debris was observed. Anomalies 10 and 11 are locations close to structures shown on the historic base map (Figure 1).

GPR data were collected across anomalies 1 through 9 to better determine if a potential UST, dry well, or buried debris was present. Table 1 provides the New York State Plane coordinates (NAD83) at the approximate center of each anomaly as well as comments about each anomaly.

Table 1: Summary Table of Geophysical Anomalies

Anomaly	Easting (ft)	Northing (ft)	Comments
1	1229155	234474	Potential buried building debris.
2	1229154	234309	Potential dry well location.
3	1229203	234307	Potential building debris(?) buried approximately 2.5 ft below ground surface.
4	1229211	234223	Potential debris. Location is in close proximity to a storm water drainage structure shown on the PWGC base map.
5	1229193	234225	Potential near surface debris(?).

Anomaly	Easting (ft)	Northing (ft)	Comments
6	1229225	234171	Strong EM response. GPR results were inconclusive. The PWGC base map shows that this is the location of a proposed dry well that allegedly was never installed.
7	1229135	234214	Related to shallow fill layer containing debris.
8	1229138	234190	Related to shallow fill layer containing debris.
9	1229108	234187	Related to shallow fill layer containing debris.
10	1229242	234214	Slight negative EM anomaly. However, the PWGC base map shows a potential dry well at this location.
11	1229187	234529	Strong EM response. Surface debris was observed in the vicinity of this anomaly, but the PWGC base map indicates that this anomaly is in close proximity to the location of potential sanitary pool.

Several of the identified anomalies are located at, or in close proximity to structures shown on the PWGC base map. Based on the geophysical data alone it is not possible to verify if the anomalies are indeed caused by the presence of the intact buried structure, debris related to a former structure, or unrelated material. It is recommended that direct sampling methods, such as test pits, be considered to determine the potential structures of concern identified in Table 1 are present.

Summary and Closing

In summary, a total of 11 anomalies were identified at the site. Anomalies 1 through 9 were identified during the initial on-site investigation. Anomalies 10 and 11 were identified during final review of the data after the EM results were overlain on top of the PWGC base map. Several of the identified anomalies are coincident, or in close proximity to historic sub-surface structures such as a dry well or sanitary pool. It is recommended that direct sampling methods, such as test pits be considered to further determine if the buried structures are present and/or intact.

All geophysical data and field notes collected as a part of this investigation will be archived at the AGS office. The data collection and interpretation methods used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site.

Zeb Youngman
March 10, 2010
10-150-1
Page 5

Due to the nature of geophysical data, no guarantees can be made or implied regarding the presence or absence of additional objects or targets beyond those identified.

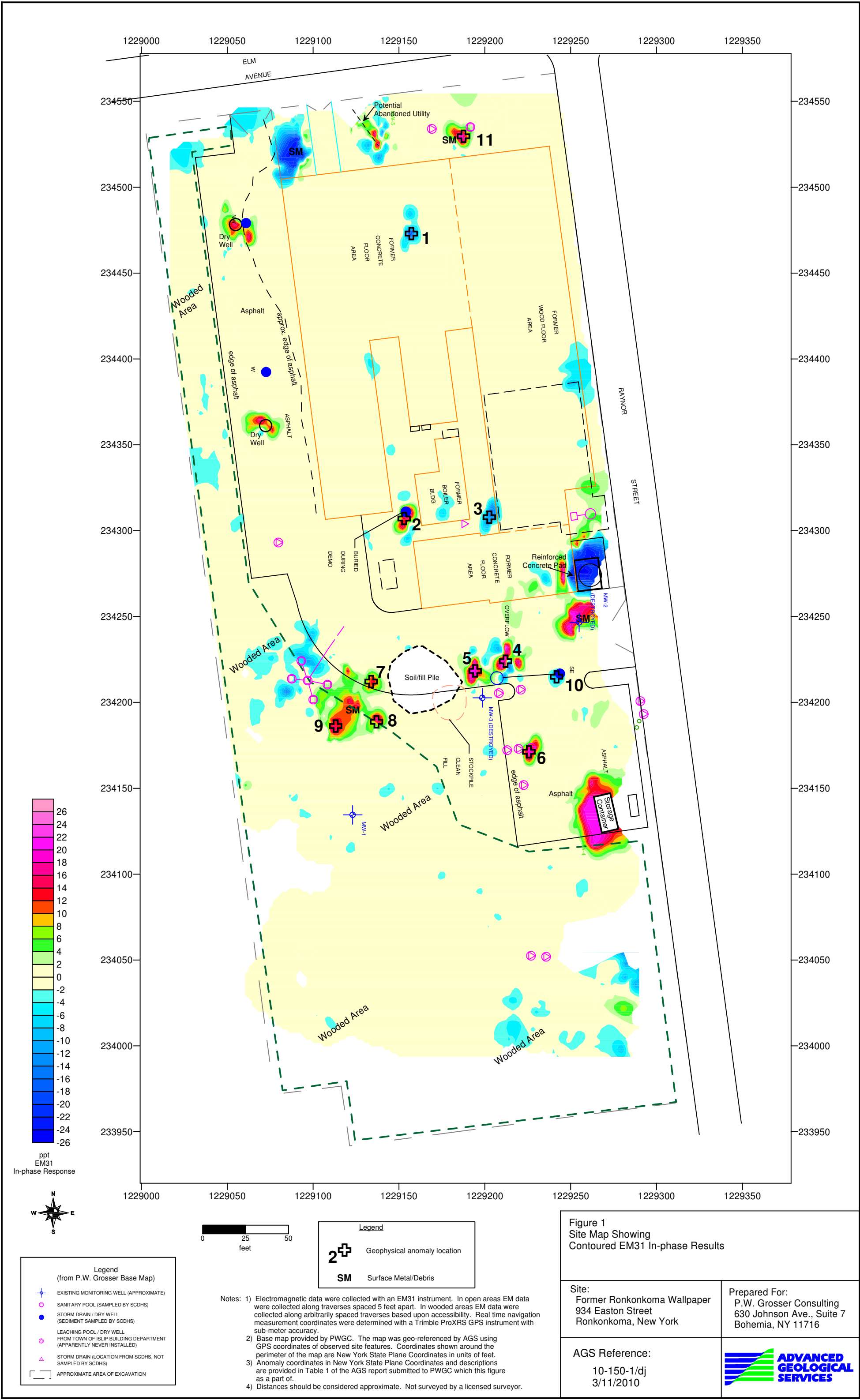
If you have any questions regarding the results of this field investigation, please contact me at 610-722-5500. It was a pleasure working with you on this project and we look forward to being able to provide you with sub-surface imaging services in the future.

Sincerely,



Donald Jagel, P.G.
Senior Geophysicist

Enclosures: Figure 1.



APPENDIX C

TEST PIT PHOTO LOGS

TEST PIT PHOTO LOG

Test Pit #1 *Location: EM1*



Large piece of concrete found at two feet below grade.



Square piece of sheet metal found at three feet below grade.
This is most likely the source of the EM anomaly.

Test Pit #2
Location: EM2



Reinforced concrete debris found just beneath the surface.



Two inch diameter steel pipes found at two feet below grade.
These pipes are most likely associated with the USTs removed from the site.

Test Pit #3
Location: EM3



A large metal anomaly was found at 1 ½ feet below grade.



The object was a three foot diameter hollow steel cylinder with a solid end on one side.

Test Pit #4
Location: EM4



Metal debris encountered at two feet below grade.



A two foot diameter concrete pipe was found at two feet below grade.

Test Pit #5
Location: EM5



Metal debris encountered at one foot below grade.



Reinforced concrete debris found at three feet below grade.

Test Pit #6
Location: EM6



Drywell encountered two feet below grade.



A single four inch diameter pipe was observed in the structure heading towards the northeast.



The pipe was traced towards the northeast and was found to be broken off approximately 24 feet away. No other structures were identified in the area.

Test Pit #7
Location: EM7



Cesspool believed to be a part of the sanitary system sampled by SCDHS identified as SE

Test Pit #8
Location: EM8



Cesspool believed to be a part of the sanitary system sampled by SCDHS identified as SW on Figure 2.

Test Pit #9
Location: EM9



Cesspool believed to be a part of the sanitary system sampled by SCDHS identified as NW on Figure 2.

APPENDIX D

LABORATORY ANALYTICAL REPORTS

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : RONKONKONA WALLPAPER- SUFFOLK COUNTY

P.W. GROSSER CONSULTING

630 Johnson Ave.

Suite 7

Bohemia , NY - 11716

Phone No: 6315896353

ORDER ID : B1546

ATTENTION : Zeb Youngman

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SS-1(0-2)	B1546-01	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-2(0-2)	B1546-02	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-3(0-2)	B1546-03	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-4(0-2)	B1546-06	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-5(0-2)	B1546-07		8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-6(0-2)	B1546-08	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-7(0-2)	B1546-09	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-8(0-2)	B1546-10	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-9(0-2)	B1546-11	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-10(0-2)	B1546-12	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-11(0-2)	B1546-13	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-12(0-2)	B1546-14	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
DUP-01	B1546-15	8260B	8270C			6010B, 7471A	9012A, Chemtech -

							SOP
FIELDBLANK	B1546-16	8260B	8270C			6010B, 7470A	9012A
TRIPBLANK	B1546-17	8260B					

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
B1546-01	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-02	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-03	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-06	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-07	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-08	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-09	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-10	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-11	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-12	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-13	SOIL	03/08/10	03/09/10	03/10/10	03/12/10
B1546-14	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-15	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-16	WATER	03/08/10	03/09/10	03/09/10	03/10/10

* Details For Test :SVOC-TCL BNA -20

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
B1546-01	SOIL	03/08/10	03/09/10		03/09/10
B1546-02	SOIL	03/08/10	03/09/10		03/09/10
B1546-03	SOIL	03/08/10	03/09/10		03/09/10
B1546-06	SOIL	03/08/10	03/09/10		03/09/10
B1546-08	SOIL	03/08/10	03/09/10		03/09/10
B1546-09	SOIL	03/08/10	03/09/10		03/09/10
B1546-10	SOIL	03/08/10	03/09/10		03/09/10
B1546-11	SOIL	03/08/10	03/09/10		03/09/10
B1546-12	SOIL	03/08/10	03/09/10		03/09/10
B1546-13	SOIL	03/08/10	03/09/10		03/09/10
B1546-14	SOIL	03/08/10	03/09/10		03/10/10
B1546-15	SOIL	03/08/10	03/09/10		03/10/10
B1546-16	WATER	03/08/10	03/09/10		03/10/10
B1546-17	WATER	03/03/10	03/09/10		03/10/10

* Details For Test :VOC-TCLVOA-10

**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
B1546-01	Solid	8260B	5035		
B1546-02	Solid	8260B	5035		
B1546-03	Solid	8260B	5035		
B1546-04	Solid	8260B	5035		
B1546-05	Solid	8260B	5035		
B1546-06	Solid	8260B	5035		
B1546-08	Solid	8260B	5035		
B1546-09	Solid	8260B	5035		
B1546-10	Solid	8260B	5035		
B1546-11	Solid	8260B	5035		
B1546-12	Solid	8260B	5035		
B1546-13	Solid	8260B	5035		
B1546-14	Solid	8260B	5035		
B1546-15	Solid	8260B	5035		
B1546-16	Water	8260B	5030		
B1546-17	Water	8260B	5030		

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IIa

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES**

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
B1546-01	Solid	8270C	3541		
B1546-02	Solid	8270C	3541		
B1546-03	Solid	8270C	3541		
B1546-04	Solid	8270C	3541		
B1546-05	Solid	8270C	3541		
B1546-06	Solid	8270C	3541		
B1546-07	Solid	8270C	3541		
B1546-08	Solid	8270C	3541		
B1546-09	Solid	8270C	3541		
B1546-10	Solid	8270C	3541		
B1546-11	Solid	8270C	3541		
B1546-12	Solid	8270C	3541		
B1546-13	Solid	8270C	3541		
B1546-14	Solid	8270C	3541		
B1546-15	Solid	8270C	3541		
B1546-16	Water	8270C	3510C		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1546-01	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-02	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-03	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-06	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-07	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-08	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-09	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-10	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-11	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-12	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-13	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-14	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-15	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-16	WATER	Mercury	03/09/10	03/12/10	03/15/10

* 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	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1546-01	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-02	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-03	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-06	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-07	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-08	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-09	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-10	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-11	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-12	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-13	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-14	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-15	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-16	WATER	Metals ICP-TAL	03/09/10	03/10/10	03/10/10

* Details For Test :Metals ICP-TAL

Cover Page

Order ID : B1546

Project ID : Ronkonkona Wallpaper- Suffolk County

Client : P.W. Grosser Consulting

Lab Sample Number

B1546-01
B1546-02
B1546-03
B1546-04
B1546-05
B1546-06
B1546-07
B1546-08
B1546-09
B1546-10
B1546-11
B1546-12
B1546-13
B1546-14
B1546-15
B1546-16
B1546-17

Client Sample Number

SS-1(0-2)
SS-2(0-2)
SS-3(0-2)
B1546-03MS
B1546-03MSD
SS-4(0-2)
SS-5(0-2)
SS-6(0-2)
SS-7(0-2)
SS-8(0-2)
SS-9(0-2)
SS-10(0-2)
SS-11(0-2)
SS-12(0-2)
DUP-01
FIELDBLANK
TRIPBLANK

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 : _____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, 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 K were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator. The analysis performed on instrument MSVOA E were done using GC column RTX-VMS which is 60 meters, 0.25 ID, 1.40 df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.

The analysis of VOC-TCLVOA-10 was based on method 8260.

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 except for SS-11(0-2), SS-11(0-2)RE, SS-12(0-2) and SS-12(0-2)RE.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except for Dichlorodifluoromethane and Methyl Acetate.

The MSD recoveries met the acceptable requirements except for Dichlorodifluoromethane and Methyl Acetate.

The RPD for (BSE0310W2) recoveries met criteria except for Methylene Chloride.

The Blank Spike Duplicate with file id BSE0310W2 met requirements for all samples except for Methylene Chloride but it was not detected in Samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82E030910W.M) for 1,1-Dichloroethane, 2-Butanone, Benzene, Bromodichloromethane, cis-1,2-dichloroethene, Cyclohexane, Ethylbenzene, o-Xylene, Styrene and Toluene.

These compounds are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor.

The %RSD is greater than 15% in the Initial Calibration (Method 82K030810S.M) for Dichlorodifluoromethane and Vinyl Chloride. These compounds are passing on linear regressions, however in this case they were left on average response factor. The ICV (File ID:VK037946.D Method 82K030810S.M) met the requirements except for Acetone. The Continuing Calibration (File ID:VK037965.D Method 82K030810S.M) met the requirements except for Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1-Dichloroethene and Cyclohexane but they were not detected in Samples. The Continuing Calibration (File ID:VK037988.D Method 82K030810S.M) met the requirements except for Dichlorodifluoromethane, Vinyl Chloride and Trichlorofluoromethane but it is not present in the sample. The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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_____

CASE NARRATIVE**P.W. Grosser Consulting****Project Name: Ronkonkona Wallpaper- Suffolk County****Project # N/A****Chemtech Project # B1546****A. Number of Samples and Date of Receipt:**

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, 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 E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.

The analysis of SVOC-TCL BNA -20 was based on method 8270C and extraction was done based on method 3541/3510C.

D. QA/ QC Samples:

The Holding Times were met for all analysis except for re-extracted samples.

The samples were re-extracted as per client's request.

"Samples for semi-volatile organic analysis were extracted using 3 g sample weight.

There were no positive hits in the sample. Therefore, these samples were re-extracted and reanalyzed, out of holding time, using 30g sample weight. Both data are included in the datapackage"

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for SS-1(0-2)RE, DUP-01RE, SS-9(0-2)RE, SS-8(0-2)RE, SS-7(0-2)RE, SS-4(0-2) RE and SS-11(0-2)RE due to matrix interference.

The Retention Times were acceptable for all samples.

The MS (B1546-04MS) recoveries met the requirements for all compounds except for bis(2-Ethylhexyl)phthalate.

The MSD (B1546-04MSD) recoveries met the acceptable requirements except for bis(2-Ethylhexyl)phthalate.

The MS (B1546-04REMS) recoveries met the requirements for all compounds except for Benzaldehyde.

The MSD (B1546-04REMSD) recoveries met the acceptable requirements except for Benzaldehyde.

The RPD (B1546-04REMSD) recoveries met criteria except for Benzaldehyde, Caprolactam, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and 3,3'-Dichlorobenzidine.

The Blank Spike met requirements for all samples.

The Blank analysis indicated presence of Dimethylphthalate due to possible lab contamination.

The Blank analysis indicated presence of Dimethylphthalate (170 ug/Kg) in file id BE062987. Due to possible lab contamination.

The % RSD for Benzaldehyde in the initial calibration dated 03/09/10 with instrument E are above 15 %. These compounds are passing on linear regressions, however in this case they were left on average response factor.

The % RSD for Benzaldehyde in the initial calibration dated 04/29/10 with instrument E are above 15 %. These compounds are passing on linear regressions, however in this case they were left on average response factor.

The Calibration File ID BE062539.D met the requirements except for Hexachlorocyclopentadiene, 2-Nitroaniline, Benzaldehyde and 4,6-Dinitro-2-methylphenol. The Calibration File ID BE062574.D met the requirements except for Benzaldehyde and Pentachlorophenol. These compounds are not present in the sample.

The Tuning criteria met requirements.

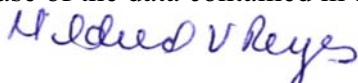
Samples SS-1(0-2), SS-7(0-2) and SS-11(0-2) were diluted due to bad matrices.

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.

Sample SS-3(0-2) was diluted due to high concentration.

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_____

Mildred V. Reyes
I am approving this document
2010.04.22 16:37:12 -04'00'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL and Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010B and Mercury was based on method 7470A/7471A.

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 met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

CCV03 and CCV08 are failing for Sodium in 03/11/10 run but there are no associates samples were analyzed with these calibration.

Sample # 12 and 13 were diluted for Barium because of high concentration of target compound of the sample.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for Cyanide.

C. Analytical Techniques:

The analysis of Cyanide was based on method 9012A.

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 met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

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_____



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-01Sample wt/vol: 5 (g/mL) g Lab File ID: VK037973.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 13 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
67-64-1	Acetone	29	U
75-15-0	Carbon Disulfide	5.7	U
1634-04-4	Methyl tert-butyl Ether	5.7	U
79-20-9	Methyl Acetate	5.7	U
75-09-2	Methylene Chloride	5.7	U
156-60-5	trans-1,2-Dichloroethene	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
110-82-7	Cyclohexane	5.7	U
78-93-3	2-Butanone	29	U
56-23-5	Carbon Tetrachloride	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
67-66-3	Chloroform	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
108-87-2	Methylcyclohexane	5.7	U
71-43-2	Benzene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-01Sample wt/vol: 5 (g/mL) g Lab File ID: VK037973.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 13 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

108-10-1	4-Methyl-2-Pentanone	29	U
108-88-3	Toluene	5.7	U
10061-02-6	t-1,3-Dichloropropene	5.7	U
10061-01-5	cis-1,3-Dichloropropene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
591-78-6	2-Hexanone	29	U
124-48-1	Dibromochloromethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethyl Benzene	5.7	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-02Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037974.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 8 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.4	U
1634-04-4	Methyl tert-butyl Ether	5.4	U
79-20-9	Methyl Acetate	5.4	U
75-09-2	Methylene Chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
108-87-2	Methylcyclohexane	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.4	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-02Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037974.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 8 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethyl Benzene	5.4	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-03Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037972.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 11 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
67-64-1	Acetone	28	U
75-15-0	Carbon Disulfide	5.6	U
1634-04-4	Methyl tert-butyl Ether	5.6	U
79-20-9	Methyl Acetate	5.6	U
75-09-2	Methylene Chloride	5.6	U
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
110-82-7	Cyclohexane	5.6	U
78-93-3	2-Butanone	28	U
56-23-5	Carbon Tetrachloride	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
67-66-3	Chloroform	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
108-87-2	Methylcyclohexane	5.6	U
71-43-2	Benzene	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
108-10-1	4-Methyl-2-Pentanone	28	U
108-88-3	Toluene	5.6	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-03Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037972.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 11 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.6	U
10061-01-5	cis-1,3-Dichloropropene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
591-78-6	2-Hexanone	28	U
124-48-1	Dibromochloromethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethyl Benzene	5.6	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-03

Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037972.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 11 Date Analyzed: 03/09/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 2 Concentration Units: ug/Kg
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
007785-70-8	1R-.alpha.-Pinene	7.1	23	J
000099-84-3	Cyclohexene, 4-methylene-1-(1-meth	7.81	8.7	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-06

Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK037977.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 14 Date Analyzed: 03/09/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl Chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
67-64-1	Acetone	29	U
75-15-0	Carbon Disulfide	5.8	U
1634-04-4	Methyl tert-butyl Ether	5.8	U
79-20-9	Methyl Acetate	5.8	U
75-09-2	Methylene Chloride	5.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
110-82-7	Cyclohexane	5.8	U
78-93-3	2-Butanone	29	U
56-23-5	Carbon Tetrachloride	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
67-66-3	Chloroform	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
108-87-2	Methylcyclohexane	5.8	U
71-43-2	Benzene	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
79-01-6	Trichloroethene	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
108-10-1	4-Methyl-2-Pentanone	29	U
108-88-3	Toluene	5.8	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-06Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK037977.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 14 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
591-78-6	2-Hexanone	29	U
124-48-1	Dibromochloromethane	5.8	U
106-93-4	1,2-Dibromoethane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethyl Benzene	5.8	U
179601-23-1	m/p-Xylenes	12	U
95-47-6	o-Xylene	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	5.8	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-06

Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK037977.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 14 Date Analyzed: 03/09/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 3 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
002153-66-4	Santolina triene	6.669	11	J
004889-83-2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	7.099	5.8	J
001461-03-6	1H-Benzocycloheptene, 2,4a,5,6,7,8	11.77	6.4	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-08Sample wt/vol: 5 (g/mL) g Lab File ID: VK037978.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 10 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
67-64-1	Acetone	28	U
75-15-0	Carbon Disulfide	5.6	U
1634-04-4	Methyl tert-butyl Ether	5.6	U
79-20-9	Methyl Acetate	5.6	U
75-09-2	Methylene Chloride	5.6	U
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
110-82-7	Cyclohexane	5.6	U
78-93-3	2-Butanone	28	U
56-23-5	Carbon Tetrachloride	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
67-66-3	Chloroform	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
108-87-2	Methylcyclohexane	5.6	U
71-43-2	Benzene	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
108-10-1	4-Methyl-2-Pentanone	28	U
108-88-3	Toluene	5.6	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-08Sample wt/vol: 5 (g/mL) g Lab File ID: VK037978.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 10 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.6	U
10061-01-5	cis-1,3-Dichloropropene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
591-78-6	2-Hexanone	28	U
124-48-1	Dibromochloromethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethyl Benzene	5.6	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-08

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037978.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 10 Date Analyzed: 03/09/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 2 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1000104-20-1	cis-(-)-2,4a,5,6,9a-Hexahydro-3,5,	11.66	5.8	J
001461-03-6	1H-Benzocycloheptene, 2,4a,5,6,7,8	11.77	7.8	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-09Sample wt/vol: 5.03 (g/mL) g Lab File ID: VK037979.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 25 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	6.6	U
74-87-3	Chloromethane	6.6	U
75-01-4	Vinyl Chloride	6.6	U
74-83-9	Bromomethane	6.6	U
75-00-3	Chloroethane	6.6	U
75-69-4	Trichlorofluoromethane	6.6	U
76-13-1	1,1,2-Trichlorotrifluoroethane	6.6	U
75-35-4	1,1-Dichloroethene	6.6	U
67-64-1	Acetone	33	U
75-15-0	Carbon Disulfide	6.6	U
1634-04-4	Methyl tert-butyl Ether	6.6	U
79-20-9	Methyl Acetate	6.6	U
75-09-2	Methylene Chloride	6.6	U
156-60-5	trans-1,2-Dichloroethene	6.6	U
75-34-3	1,1-Dichloroethane	6.6	U
110-82-7	Cyclohexane	6.6	U
78-93-3	2-Butanone	33	U
56-23-5	Carbon Tetrachloride	6.6	U
156-59-2	cis-1,2-Dichloroethene	6.6	U
67-66-3	Chloroform	6.6	U
71-55-6	1,1,1-Trichloroethane	6.6	U
108-87-2	Methylcyclohexane	6.6	U
71-43-2	Benzene	6.6	U
107-06-2	1,2-Dichloroethane	6.6	U
79-01-6	Trichloroethene	6.6	U
78-87-5	1,2-Dichloropropane	6.6	U
75-27-4	Bromodichloromethane	6.6	U
108-10-1	4-Methyl-2-Pentanone	33	U
108-88-3	Toluene	6.6	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-09Sample wt/vol: 5.03 (g/mL) g Lab File ID: VK037979.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 25 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	6.6	U
10061-01-5	cis-1,3-Dichloropropene	6.6	U
79-00-5	1,1,2-Trichloroethane	6.6	U
591-78-6	2-Hexanone	33	U
124-48-1	Dibromochloromethane	6.6	U
106-93-4	1,2-Dibromoethane	6.6	U
127-18-4	Tetrachloroethene	6.6	U
108-90-7	Chlorobenzene	6.6	U
100-41-4	Ethyl Benzene	6.6	U
179601-23-1	m/p-Xylenes	13	U
95-47-6	o-Xylene	6.6	U
100-42-5	Styrene	6.6	U
75-25-2	Bromoform	6.6	U
98-82-8	Isopropylbenzene	6.6	U
79-34-5	1,1,2,2-Tetrachloroethane	6.6	U
541-73-1	1,3-Dichlorobenzene	6.6	U
106-46-7	1,4-Dichlorobenzene	6.6	U
95-50-1	1,2-Dichlorobenzene	6.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	6.6	U
120-82-1	1,2,4-Trichlorobenzene	6.6	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-10

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037980.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 7 Date Analyzed: 03/09/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.4	U
1634-04-4	Methyl tert-butyl Ether	5.4	U
79-20-9	Methyl Acetate	5.4	U
75-09-2	Methylene Chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
108-87-2	Methylcyclohexane	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.4	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-10Sample wt/vol: 5 (g/mL) g Lab File ID: VK037980.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 7 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethyl Benzene	5.4	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-11Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037981.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 8 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.4	U
1634-04-4	Methyl tert-butyl Ether	5.4	U
79-20-9	Methyl Acetate	5.4	U
75-09-2	Methylene Chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
108-87-2	Methylcyclohexane	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.4	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-11Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037981.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 8 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethyl Benzene	5.4	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-12

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037982.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 27 Date Analyzed: 03/09/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	6.8	U
74-87-3	Chloromethane	6.8	U
75-01-4	Vinyl Chloride	6.8	U
74-83-9	Bromomethane	6.8	U
75-00-3	Chloroethane	6.8	U
75-69-4	Trichlorofluoromethane	6.8	U
76-13-1	1,1,2-Trichlorotrifluoroethane	6.8	U
75-35-4	1,1-Dichloroethene	6.8	U
67-64-1	Acetone	34	U
75-15-0	Carbon Disulfide	6.8	U
1634-04-4	Methyl tert-butyl Ether	6.8	U
79-20-9	Methyl Acetate	6.8	U
75-09-2	Methylene Chloride	6.8	U
156-60-5	trans-1,2-Dichloroethene	6.8	U
75-34-3	1,1-Dichloroethane	6.8	U
110-82-7	Cyclohexane	6.8	U
78-93-3	2-Butanone	34	U
56-23-5	Carbon Tetrachloride	6.8	U
156-59-2	cis-1,2-Dichloroethene	6.8	U
67-66-3	Chloroform	6.8	U
71-55-6	1,1,1-Trichloroethane	6.8	U
108-87-2	Methylcyclohexane	6.8	U
71-43-2	Benzene	6.8	U
107-06-2	1,2-Dichloroethane	6.8	U
79-01-6	Trichloroethene	6.8	U
78-87-5	1,2-Dichloropropane	6.8	U
75-27-4	Bromodichloromethane	6.8	U
108-10-1	4-Methyl-2-Pentanone	34	U
108-88-3	Toluene	6.8	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-12Sample wt/vol: 5 (g/mL) g Lab File ID: VK037982.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 27 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	6.8	U
10061-01-5	cis-1,3-Dichloropropene	6.8	U
79-00-5	1,1,2-Trichloroethane	6.8	U
591-78-6	2-Hexanone	34	U
124-48-1	Dibromochloromethane	6.8	U
106-93-4	1,2-Dibromoethane	6.8	U
127-18-4	Tetrachloroethene	6.8	U
108-90-7	Chlorobenzene	6.8	U
100-41-4	Ethyl Benzene	6.8	U
179601-23-1	m/p-Xylenes	14	U
95-47-6	o-Xylene	6.8	U
100-42-5	Styrene	6.8	U
75-25-2	Bromoform	6.8	U
98-82-8	Isopropylbenzene	6.8	U
79-34-5	1,1,2,2-Tetrachloroethane	6.8	U
541-73-1	1,3-Dichlorobenzene	6.8	U
106-46-7	1,4-Dichlorobenzene	6.8	U
95-50-1	1,2-Dichlorobenzene	6.8	U
96-12-8	1,2-Dibromo-3-Chloropropane	6.8	U
120-82-1	1,2,4-Trichlorobenzene	6.8	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-13

Sample wt/vol: 5.04 (g/mL) g Lab File ID: VK037983.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 33 Date Analyzed: 03/09/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	7.4	U
74-87-3	Chloromethane	7.4	U
75-01-4	Vinyl Chloride	7.4	U
74-83-9	Bromomethane	7.4	U
75-00-3	Chloroethane	7.4	U
75-69-4	Trichlorofluoromethane	7.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	7.4	U
75-35-4	1,1-Dichloroethene	7.4	U
67-64-1	Acetone	37	U
75-15-0	Carbon Disulfide	7.4	U
1634-04-4	Methyl tert-butyl Ether	7.4	U
79-20-9	Methyl Acetate	7.4	U
75-09-2	Methylene Chloride	7.4	U
156-60-5	trans-1,2-Dichloroethene	7.4	U
75-34-3	1,1-Dichloroethane	7.4	U
110-82-7	Cyclohexane	7.4	U
78-93-3	2-Butanone	37	U
56-23-5	Carbon Tetrachloride	7.4	U
156-59-2	cis-1,2-Dichloroethene	7.4	U
67-66-3	Chloroform	7.4	U
71-55-6	1,1,1-Trichloroethane	7.4	U
108-87-2	Methylcyclohexane	7.4	U
71-43-2	Benzene	7.4	U
107-06-2	1,2-Dichloroethane	7.4	U
79-01-6	Trichloroethene	7.4	U
78-87-5	1,2-Dichloropropane	7.4	U
75-27-4	Bromodichloromethane	7.4	U
108-10-1	4-Methyl-2-Pentanone	37	U
108-88-3	Toluene	7.4	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-13Sample wt/vol: 5.04 (g/mL) g Lab File ID: VK037983.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 33 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	7.4	U
10061-01-5	cis-1,3-Dichloropropene	7.4	U
79-00-5	1,1,2-Trichloroethane	7.4	U
591-78-6	2-Hexanone	37	U
124-48-1	Dibromochloromethane	7.4	U
106-93-4	1,2-Dibromoethane	7.4	U
127-18-4	Tetrachloroethene	7.4	U
108-90-7	Chlorobenzene	7.4	U
100-41-4	Ethyl Benzene	7.4	U
179601-23-1	m/p-Xylenes	15	U
95-47-6	o-Xylene	7.4	U
100-42-5	Styrene	7.4	U
75-25-2	Bromoform	7.4	U
98-82-8	Isopropylbenzene	7.4	U
79-34-5	1,1,2,2-Tetrachloroethane	7.4	U
541-73-1	1,3-Dichlorobenzene	7.4	U
106-46-7	1,4-Dichlorobenzene	7.4	U
95-50-1	1,2-Dichlorobenzene	7.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	7.4	U
120-82-1	1,2,4-Trichlorobenzene	7.4	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)RE

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-13RE

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037991.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 33 Date Analyzed: 03/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	7.5	U
74-87-3	Chloromethane	7.5	U
75-01-4	Vinyl Chloride	7.5	U
74-83-9	Bromomethane	7.5	U
75-00-3	Chloroethane	7.5	U
75-69-4	Trichlorofluoromethane	7.5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	7.5	U
75-35-4	1,1-Dichloroethene	7.5	U
67-64-1	Acetone	37	U
75-15-0	Carbon Disulfide	7.5	U
1634-04-4	Methyl tert-butyl Ether	7.5	U
79-20-9	Methyl Acetate	7.5	U
75-09-2	Methylene Chloride	7.5	U
156-60-5	trans-1,2-Dichloroethene	7.5	U
75-34-3	1,1-Dichloroethane	7.5	U
110-82-7	Cyclohexane	7.5	U
78-93-3	2-Butanone	37	U
56-23-5	Carbon Tetrachloride	7.5	U
156-59-2	cis-1,2-Dichloroethene	7.5	U
67-66-3	Chloroform	7.5	U
71-55-6	1,1,1-Trichloroethane	7.5	U
108-87-2	Methylcyclohexane	7.5	U
71-43-2	Benzene	7.5	U
107-06-2	1,2-Dichloroethane	7.5	U
79-01-6	Trichloroethene	7.5	U
78-87-5	1,2-Dichloropropane	7.5	U
75-27-4	Bromodichloromethane	7.5	U
108-10-1	4-Methyl-2-Pentanone	37	U
108-88-3	Toluene	7.5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)RE

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-13RESample wt/vol: 5 (g/mL) g Lab File ID: VK037991.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 33 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	7.5	U
10061-01-5	cis-1,3-Dichloropropene	7.5	U
79-00-5	1,1,2-Trichloroethane	7.5	U
591-78-6	2-Hexanone	37	U
124-48-1	Dibromochloromethane	7.5	U
106-93-4	1,2-Dibromoethane	7.5	U
127-18-4	Tetrachloroethene	7.5	U
108-90-7	Chlorobenzene	7.5	U
100-41-4	Ethyl Benzene	7.5	U
179601-23-1	m/p-Xylenes	15	U
95-47-6	o-Xylene	7.5	U
100-42-5	Styrene	7.5	U
75-25-2	Bromoform	7.5	U
98-82-8	Isopropylbenzene	7.5	U
79-34-5	1,1,2,2-Tetrachloroethane	7.5	U
541-73-1	1,3-Dichlorobenzene	7.5	U
106-46-7	1,4-Dichlorobenzene	7.5	U
95-50-1	1,2-Dichlorobenzene	7.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	7.5	U
120-82-1	1,2,4-Trichlorobenzene	7.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-14

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037992.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 44 Date Analyzed: 03/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	8.9	U
74-87-3	Chloromethane	8.9	U
75-01-4	Vinyl Chloride	8.9	U
74-83-9	Bromomethane	8.9	U
75-00-3	Chloroethane	8.9	U
75-69-4	Trichlorofluoromethane	8.9	U
76-13-1	1,1,2-Trichlorotrifluoroethane	8.9	U
75-35-4	1,1-Dichloroethene	8.9	U
67-64-1	Acetone	45	U
75-15-0	Carbon Disulfide	8.9	U
1634-04-4	Methyl tert-butyl Ether	8.9	U
79-20-9	Methyl Acetate	8.9	U
75-09-2	Methylene Chloride	8.9	U
156-60-5	trans-1,2-Dichloroethene	8.9	U
75-34-3	1,1-Dichloroethane	8.9	U
110-82-7	Cyclohexane	8.9	U
78-93-3	2-Butanone	45	U
56-23-5	Carbon Tetrachloride	8.9	U
156-59-2	cis-1,2-Dichloroethene	8.9	U
67-66-3	Chloroform	8.9	U
71-55-6	1,1,1-Trichloroethane	8.9	U
108-87-2	Methylcyclohexane	8.9	U
71-43-2	Benzene	8.9	U
107-06-2	1,2-Dichloroethane	8.9	U
79-01-6	Trichloroethene	8.9	U
78-87-5	1,2-Dichloropropane	8.9	U
75-27-4	Bromodichloromethane	8.9	U
108-10-1	4-Methyl-2-Pentanone	45	U
108-88-3	Toluene	8.9	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-14Sample wt/vol: 5 (g/mL) g Lab File ID: VK037992.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 44 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	8.9	U
10061-01-5	cis-1,3-Dichloropropene	8.9	U
79-00-5	1,1,2-Trichloroethane	8.9	U
591-78-6	2-Hexanone	45	U
124-48-1	Dibromochloromethane	8.9	U
106-93-4	1,2-Dibromoethane	8.9	U
127-18-4	Tetrachloroethene	8.9	U
108-90-7	Chlorobenzene	8.9	U
100-41-4	Ethyl Benzene	8.9	U
179601-23-1	m/p-Xylenes	18	U
95-47-6	o-Xylene	8.9	U
100-42-5	Styrene	8.9	U
75-25-2	Bromoform	8.9	U
98-82-8	Isopropylbenzene	8.9	U
79-34-5	1,1,2,2-Tetrachloroethane	8.9	U
541-73-1	1,3-Dichlorobenzene	8.9	U
106-46-7	1,4-Dichlorobenzene	8.9	U
95-50-1	1,2-Dichlorobenzene	8.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	8.9	U
120-82-1	1,2,4-Trichlorobenzene	8.9	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-14

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037992.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 44 Date Analyzed: 03/10/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000080-56-8	.alpha.-Pinene	7.1	15	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)RE

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-14RESample wt/vol: 5.02 (g/mL) g Lab File ID: VK038004.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 44 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	8.9	U
74-87-3	Chloromethane	8.9	U
75-01-4	Vinyl Chloride	8.9	U
74-83-9	Bromomethane	8.9	U
75-00-3	Chloroethane	8.9	U
75-69-4	Trichlorofluoromethane	8.9	U
76-13-1	1,1,2-Trichlorotrifluoroethane	8.9	U
75-35-4	1,1-Dichloroethene	8.9	U
67-64-1	Acetone	44	U
75-15-0	Carbon Disulfide	8.9	U
1634-04-4	Methyl tert-butyl Ether	8.9	U
79-20-9	Methyl Acetate	8.9	U
75-09-2	Methylene Chloride	8.9	U
156-60-5	trans-1,2-Dichloroethene	8.9	U
75-34-3	1,1-Dichloroethane	8.9	U
110-82-7	Cyclohexane	8.9	U
78-93-3	2-Butanone	44	U
56-23-5	Carbon Tetrachloride	8.9	U
156-59-2	cis-1,2-Dichloroethene	8.9	U
67-66-3	Chloroform	8.9	U
71-55-6	1,1,1-Trichloroethane	8.9	U
108-87-2	Methylcyclohexane	8.9	U
71-43-2	Benzene	8.9	U
107-06-2	1,2-Dichloroethane	8.9	U
79-01-6	Trichloroethene	8.9	U
78-87-5	1,2-Dichloropropane	8.9	U
75-27-4	Bromodichloromethane	8.9	U
108-10-1	4-Methyl-2-Pentanone	44	U
108-88-3	Toluene	8.9	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)RE

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-14RESample wt/vol: 5.02 (g/mL) g Lab File ID: VK038004.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 44 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	8.9	U
10061-01-5	cis-1,3-Dichloropropene	8.9	U
79-00-5	1,1,2-Trichloroethane	8.9	U
591-78-6	2-Hexanone	44	U
124-48-1	Dibromochloromethane	8.9	U
106-93-4	1,2-Dibromoethane	8.9	U
127-18-4	Tetrachloroethene	8.9	U
108-90-7	Chlorobenzene	8.9	U
100-41-4	Ethyl Benzene	8.9	U
179601-23-1	m/p-Xylenes	18	U
95-47-6	o-Xylene	8.9	U
100-42-5	Styrene	8.9	U
75-25-2	Bromoform	8.9	U
98-82-8	Isopropylbenzene	8.9	U
79-34-5	1,1,2,2-Tetrachloroethane	8.9	U
541-73-1	1,3-Dichlorobenzene	8.9	U
106-46-7	1,4-Dichlorobenzene	8.9	U
95-50-1	1,2-Dichlorobenzene	8.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	8.9	U
120-82-1	1,2,4-Trichlorobenzene	8.9	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-15

Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK037993.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 8 Date Analyzed: 03/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.4	U
1634-04-4	Methyl tert-butyl Ether	5.4	U
79-20-9	Methyl Acetate	5.4	U
75-09-2	Methylene Chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
108-87-2	Methylcyclohexane	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.4	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-15Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK037993.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 8 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethyl Benzene	5.4	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): WATER Lab Sample ID: B1546-16

Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017378.D

Level: (low/med) Date Received: 03/09/10

% Moisture: not dec. 100 Date Analyzed: 03/10/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-16Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017378.DLevel: (low/med) Date Received: 03/09/10% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-17Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017377.DLevel: (low/med) _____ Date Received: 03/09/10% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-17Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017377.DLevel: (low/med) Date Received: 03/09/10% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U

Hit Summary Sheet
SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-12(0-2)							
B1546-14	SS-12(0-2)	SOIL	.alpha.-Pinene	* 15.00	J	0	0	ug/Kg
Total Tics :					15.00			
Total Concentration:					15.00			
Client ID:	SS-3(0-2)							
B1546-03	SS-3(0-2)	SOIL	Cyclohexene, 4-methylene-1-(1-r	* 8.70	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	1R-.alpha.-Pinene	* 23.00	J	0	0	ug/Kg
Total Tics :					31.70			
Total Concentration:					31.70			
Client ID:	SS-4(0-2)							
B1546-06	SS-4(0-2)	SOIL	1H-Benzocycloheptene, 2,4a,5,6,	* 6.40	J	0	0	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Santolina triene	* 11.00	J	0	0	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Bicyclo[3.1.1]hept-2-ene, 3,6,6-ti	* 5.80	J	0	0	ug/Kg
Total Tics :					23.20			
Total Concentration:					23.20			
Client ID:	SS-6(0-2)							
B1546-08	SS-6(0-2)	SOIL	1H-Benzocycloheptene, 2,4a,5,6,	* 7.80	J	0	0	ug/Kg
B1546-08	SS-6(0-2)	SOIL	cis-(-)-2,4a,5,6,9a-Hexahydro-3,5	* 5.80	J	0	0	ug/Kg
Total Tics :					13.60			
Total Concentration:					13.60			

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM CASE No.: B1546 SAS No.: B1546 SDG NO.: B1546

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBE0310W2	87	89	86	85	0
02	BSE0310W1	85	86	84	85	0
03	BSE0310W2	84	87	82	85	0
04	TRIPBLANK	87	88	85	84	0
05	FIELDBLANK	86	85	84	83	0

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBK0309S1	90	102	97	99	0
02	BSK0309S1	95	99	97	95	0
03	SS-3(0-2)	88	102	93	93	0
04	SS-1(0-2)	87	104	97	92	0
05	SS-2(0-2)	85	101	94	91	0
06	SS-3(0-2)MS	99	101	100	96	0
07	SS-3(0-2)MSD	97	104	98	98	0
08	SS-4(0-2)	86	103	96	89	0
09	SS-6(0-2)	87	101	93	91	0
10	SS-7(0-2)	86	104	91	73	0
11	SS-8(0-2)	88	106	97	92	0
12	SS-9(0-2)	83	98	93	85	0
13	SS-10(0-2)	86	103	90	70	0
14	SS-11(0-2)	85	110	90	54	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (55-158)

SMC2 (DBFM) =Dibromofluoromethane (53-156)

SMC3 (TOL) =Toluene-d8 (68-122)

SMC4 (BFB) =4-Bromofluorobenzene (25-144)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM CASE No.: B1546 SAS No.: B1546 SDG NO.: B1546

Level: (low/med) LOW

15	VBK0310S1	86	99	95	95	0
16	BSK0310S1	91	99	97	97	0
17	SS-11(0-2)RE	85	111	84	42	0
18	SS-12(0-2)	90	116	88	49	0
19	DUP-01	90	102	96	90	0
20	SS-12(0-2)RE	94	107	90	64	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (55-158)

SMC2 (DBFM) =Dibromofluoromethane (53-156)

SMC3 (TOL) =Toluene-d8 (68-122)

SMC4 (BFB) =4-Bromofluorobenzene (25-144)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : B1546-04

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	56	0	89	159*	(42-151)
Chloromethane	56	0	71	127	(43-150)
Vinyl Chloride	56	0	74	132	(48-144)
Bromomethane	56	0	66	118	(40-154)
Chloroethane	56	0	68	121	(39-165)
Trichlorofluoromethane	56	0	75	134	(46-159)
1,1,2-Trichlorotrifluoroethane	56	0	73	130	(59-140)
1,1-Dichloroethene	56	0	68	121	(54-143)
Acetone	281	0	260	93	(31-158)
Carbon Disulfide	56	0	68	121	(42-144)
Methyl tert-butyl Ether	56	0	58	104	(56-146)
Methyl Acetate	56	0	180	321*	(16-205)
Methylene Chloride	56	0	57	102	(51-144)
trans-1,2-Dichloroethene	56	0	64	114	(60-135)
1,1-Dichloroethane	56	0	61	109	(62-143)
Cyclohexane	56	0	66	118	(51-136)
2-Butanone	281	0	260	93	(40-157)
Carbon Tetrachloride	56	0	67	120	(63-135)
cis-1,2-Dichloroethene	56	0	60	107	(62-133)
Chloroform	56	0	60	107	(66-138)
1,1,1-Trichloroethane	56	0	68	121	(64-139)
Methylcyclohexane	56	0	62	111	(43-133)
Benzene	56	0	59	105	(68-128)
1,2-Dichloroethane	56	0	58	104	(64-139)
Trichloroethene	56	0	63	113	(49-150)
1,2-Dichloropropane	56	0	60	107	(68-131)
Bromodichloromethane	56	0	60	107	(69-132)
4-Methyl-2-Pentanone	281	0	280	100	(53-150)
Toluene	56	0	61	109	(67-127)
t-1,3-Dichloropropene	56	0	56	100	(63-129)
cis-1,3-Dichloropropene	56	0	56	100	(66-126)
1,1,2-Trichloroethane	56	0	57	102	(67-132)
2-Hexanone	281	0	260	93	(44-170)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 5 Out of 82 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-04

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dibromochloromethane	56	0	58	104	(65-131)
1,2-Dibromoethane	56	0	56	100	(63-129)
Tetrachloroethene	56	0	49	88	(33-170)
Chlorobenzene	56	0	59	105	(71-126)
Ethyl Benzene	56	0	62	111	(65-134)
m/p-Xylenes	112	0	120	107	(65-131)
o-Xylene	56	0	58	104	(62-134)
Styrene	56	0	56	100	(60-131)
Bromoform	56	0	56	100	(62-140)
Isopropylbenzene	56	0	64	114	(51-159)
1,1,2,2-Tetrachloroethane	56	0	58	104	(33-184)
1,3-Dichlorobenzene	56	0	57	102	(70-125)
1,4-Dichlorobenzene	56	0	56	100	(69-124)
1,2-Dichlorobenzene	56	0	55	98	(67-128)
1,2-Dibromo-3-Chloropropane	56	0	57	102	(44-163)
1,2,4-Trichlorobenzene	56	0	46	82	(53-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 5 Out of 82 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : B1546-05

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dichlorodifluoromethane	56	93	166*	4	20	(42-151)
Chloromethane	56	72	129	2	20	(43-150)
Vinyl Chloride	56	78	139	5	20	(48-144)
Bromomethane	56	73	130	10	20	(40-154)
Chloroethane	56	72	129	6	20	(39-165)
Trichlorofluoromethane	56	79	141	5	20	(46-159)
1,1,2-Trichlorotrifluoroethane	56	77	138	6	20	(59-140)
1,1-Dichloroethene	56	71	127	5	20	(54-143)
Acetone	281	230	82	13	20	(31-158)
Carbon Disulfide	56	69	123	2	20	(42-144)
Methyl tert-butyl Ether	56	60	107	3	20	(56-146)
Methyl Acetate	56	190	339*	5	20	(16-205)
Methylene Chloride	56	60	107	5	20	(51-144)
trans-1,2-Dichloroethene	56	66	118	3	20	(60-135)
1,1-Dichloroethane	56	65	116	6	20	(62-143)
Cyclohexane	56	68	121	3	20	(51-136)
2-Butanone	281	260	93	0	20	(40-157)
Carbon Tetrachloride	56	73	130	8	20	(63-135)
cis-1,2-Dichloroethene	56	63	113	5	20	(62-133)
Chloroform	56	63	113	5	20	(66-138)
1,1,1-Trichloroethane	56	73	130	7	20	(64-139)
Methylcyclohexane	56	66	118	6	20	(43-133)
Benzene	56	63	113	7	20	(68-128)
1,2-Dichloroethane	56	62	111	7	20	(64-139)
Trichloroethene	56	67	120	6	20	(49-150)
1,2-Dichloropropane	56	62	111	4	20	(68-131)
Bromodichloromethane	56	62	111	4	20	(69-132)
4-Methyl-2-Pentanone	281	290	103	3	20	(53-150)
Toluene	56	65	116	6	20	(67-127)
t-1,3-Dichloropropene	56	59	105	5	20	(63-129)
cis-1,3-Dichloropropene	56	58	104	4	20	(66-126)
1,1,2-Trichloroethane	56	59	105	3	20	(67-132)
2-Hexanone	281	250	89	4	20	(44-170)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 4 Out of 82 outside limits

Spike Recovery : 11 Out of 164 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-05

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dibromochloromethane	56	61	109	5	20	(65-131)
1,2-Dibromoethane	56	58	104	4	20	(63-129)
Tetrachloroethene	56	55	98	11	20	(33-170)
Chlorobenzene	56	62	111	6	20	(71-126)
Ethyl Benzene	56	65	116	4	20	(65-134)
m/p-Xylenes	112	130	116	8	20	(65-131)
o-Xylene	56	64	114	9	20	(62-134)
Styrene	56	62	111	10	20	(60-131)
Bromoform	56	59	105	5	20	(62-140)
Isopropylbenzene	56	68	121	6	20	(51-159)
1,1,2,2-Tetrachloroethane	56	60	107	3	20	(33-184)
1,3-Dichlorobenzene	56	59	105	3	20	(70-125)
1,4-Dichlorobenzene	56	59	105	5	20	(69-124)
1,2-Dichlorobenzene	56	59	105	7	20	(67-128)
1,2-Dibromo-3-Chloropropane	56	58	104	2	20	(44-163)
1,2,4-Trichlorobenzene	56	48	86	5	20	(53-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 4 Out of 82 outside limits

Spike Recovery : 11 Out of 164 outside limits

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : BSE0310W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		18	90	(35-124)
Chloromethane	20		21	105	(37-148)
Vinyl Chloride	20		21	105	(45-144)
Bromomethane	20		22	110	(44-146)
Chloroethane	20		19	95	(46-148)
Trichlorofluoromethane	20		21	105	(56-137)
1,1,2-Trichlorotrifluoroethane	20		20	100	(52-142)
1,1-Dichloroethene	20		20	100	(57-135)
Acetone	100		130	130	(50-149)
Carbon Disulfide	20		21	105	(36-155)
Methyl tert-butyl Ether	20		20	100	(60-144)
Methyl Acetate	20		19	95	(51-158)
Methylene Chloride	20		21	105	(61-138)
trans-1,2-Dichloroethene	20		20	100	(59-137)
1,1-Dichloroethane	20		21	105	(64-142)
Cyclohexane	20		21	105	(56-141)
2-Butanone	100		120	120	(56-152)
Carbon Tetrachloride	20		21	105	(59-138)
cis-1,2-Dichloroethene	20		21	105	(64-137)
Chloroform	20		21	105	(67-138)
1,1,1-Trichloroethane	20		21	105	(65-132)
Methylcyclohexane	20		20	100	(56-137)
Benzene	20		22	110	(66-135)
1,2-Dichloroethane	20		21	105	(65-137)
Trichloroethene	20		20	100	(65-134)
1,2-Dichloropropane	20		21	105	(68-137)
Bromodichloromethane	20		21	105	(67-134)
4-Methyl-2-Pentanone	100		110	110	(63-146)
Toluene	20		21	105	(67-133)
t-1,3-Dichloropropene	20		21	105	(66-135)
cis-1,3-Dichloropropene	20		21	105	(66-132)
1,1,2-Trichloroethane	20		22	110	(67-136)
2-Hexanone	100		120	120	(56-153)
Dibromochloromethane	20		21	105	(64-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 74 outside limits

Comments: _____



3B

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546Matrix Spike - EPA Sample No : BSE0310W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		21	105	(66-137)
Tetrachloroethene	20		19	95	(37-178)
Chlorobenzene	20		21	105	(67-133)
Ethyl Benzene	20		22	110	(66-133)
m/p-Xylenes	40		41	103	(65-134)
o-Xylene	20		22	110	(65-134)
Styrene	20		22	110	(65-136)
Bromoform	20		20	100	(56-157)
Isopropylbenzene	20		21	105	(66-133)
1,1,2,2-Tetrachloroethane	20		21	105	(63-136)
1,3-Dichlorobenzene	20		20	100	(66-131)
1,4-Dichlorobenzene	20		20	100	(65-131)
1,2-Dichlorobenzene	20		20	100	(66-132)
1,2-Dibromo-3-Chloropropane	20		20	100	(54-141)
1,2,4-Trichlorobenzene	20		18	90	(61-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 74 outside limits

Comments: _____

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : BSE0310W2

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
Dichlorodifluoromethane	20	18	90	0	20	(35-124)
Chloromethane	20	21	105	0	20	(37-148)
Vinyl Chloride	20	20	100	5	20	(45-144)
Bromomethane	20	20	100	10	20	(44-146)
Chloroethane	20	19	95	0	20	(46-148)
Trichlorofluoromethane	20	21	105	0	20	(56-137)
1,1,2-Trichlorotrifluoroethane	20	20	100	0	20	(52-142)
1,1-Dichloroethene	20	20	100	0	20	(57-135)
Acetone	100	130	130	0	20	(50-149)
Carbon Disulfide	20	20	100	5	20	(36-155)
Methyl tert-butyl Ether	20	20	100	0	20	(60-144)
Methyl Acetate	20	20	100	5	20	(51-158)
Methylene Chloride	20	9.5	48*	75*	20	(61-138)
trans-1,2-Dichloroethene	20	20	100	0	20	(59-137)
1,1-Dichloroethane	20	21	105	0	20	(64-142)
Cyclohexane	20	21	105	0	20	(56-141)
2-Butanone	100	120	120	0	20	(56-152)
Carbon Tetrachloride	20	20	100	5	20	(59-138)
cis-1,2-Dichloroethene	20	21	105	0	20	(64-137)
Chloroform	20	21	105	0	20	(67-138)
1,1,1-Trichloroethane	20	20	100	5	20	(65-132)
Methylcyclohexane	20	20	100	0	20	(56-137)
Benzene	20	21	105	5	20	(66-135)
1,2-Dichloroethane	20	21	105	0	20	(65-137)
Trichloroethene	20	20	100	0	20	(65-134)
1,2-Dichloropropane	20	21	105	0	20	(68-137)
Bromodichloromethane	20	21	105	0	20	(67-134)
4-Methyl-2-Pentanone	100	110	110	0	20	(63-146)
Toluene	20	21	105	0	20	(67-133)
t-1,3-Dichloropropene	20	20	100	5	20	(66-135)
cis-1,3-Dichloropropene	20	21	105	0	20	(66-132)
1,1,2-Trichloroethane	20	21	105	5	20	(67-136)
2-Hexanone	100	120	120	0	20	(56-153)
Dibromochloromethane	20	20	100	5	20	(64-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 74 outside limits

Spike Recovery : 1 Out of 74 outside limits

Comments: _____



3B

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546Matrix Spike - EPA Sample No : BSE0310W2

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
1,2-Dibromoethane	20	21	105	0	20	(66-137)
Tetrachloroethene	20	20	100	5	20	(37-178)
Chlorobenzene	20	21	105	0	20	(67-133)
Ethyl Benzene	20	22	110	0	20	(66-133)
m/p-Xylenes	40	41	103	0	20	(65-134)
o-Xylene	20	21	105	5	20	(65-134)
Styrene	20	22	110	0	20	(65-136)
Bromoform	20	20	100	0	20	(56-157)
Isopropylbenzene	20	20	100	5	20	(66-133)
1,1,2,2-Tetrachloroethane	20	20	100	5	20	(63-136)
1,3-Dichlorobenzene	20	19	95	5	20	(66-131)
1,4-Dichlorobenzene	20	20	100	0	20	(65-131)
1,2-Dichlorobenzene	20	20	100	0	20	(66-132)
1,2-Dibromo-3-Chloropropane	20	19	95	5	20	(54-141)
1,2,4-Trichlorobenzene	20	18	90	0	20	(61-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 74 outside limits

Spike Recovery : 1 Out of 74 outside limits

Comments: _____

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : BSK0309S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		15	75	(47-148)
Chloromethane	20		17	85	(56-145)
Vinyl Chloride	20		19	95	(60-138)
Bromomethane	20		21	105	(45-158)
Chloroethane	20		22	110	(42-161)
Trichlorofluoromethane	20		21	105	(55-146)
1,1,2-Trichlorotrifluoroethane	20		23	115	(65-134)
1,1-Dichloroethene	20		21	105	(65-136)
Acetone	100		81	81	(57-148)
Carbon Disulfide	20		21	105	(60-138)
Methyl tert-butyl Ether	20		20	100	(70-131)
Methyl Acetate	20		20	100	(44-187)
Methylene Chloride	20		21	105	(63-141)
trans-1,2-Dichloroethene	20		21	105	(73-130)
1,1-Dichloroethane	20		20	100	(74-133)
Cyclohexane	20		22	110	(66-132)
2-Butanone	100		96	96	(52-153)
Carbon Tetrachloride	20		22	110	(74-122)
cis-1,2-Dichloroethene	20		21	105	(75-129)
Chloroform	20		21	105	(75-135)
1,1,1-Trichloroethane	20		22	110	(75-128)
Methylcyclohexane	20		23	115	(71-124)
Benzene	20		21	105	(79-122)
1,2-Dichloroethane	20		21	105	(75-132)
Trichloroethene	20		23	115	(77-120)
1,2-Dichloropropane	20		22	110	(76-127)
Bromodichloromethane	20		21	105	(77-124)
4-Methyl-2-Pentanone	100		110	110	(70-141)
Toluene	20		22	110	(78-121)
t-1,3-Dichloropropene	20		20	100	(76-127)
cis-1,3-Dichloropropene	20		21	105	(79-122)
1,1,2-Trichloroethane	20		20	100	(76-127)
2-Hexanone	100		100	100	(55-154)
Dibromochloromethane	20		21	105	(73-126)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



3A

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546Matrix Spike - EPA Sample No : BSK0309S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		21	105	(76-127)
Tetrachloroethene	20		25	125	(61-145)
Chlorobenzene	20		22	110	(79-120)
Ethyl Benzene	20		23	115	(77-120)
m/p-Xylenes	40		47	118	(78-120)
o-Xylene	20		22	110	(78-119)
Styrene	20		22	110	(80-119)
Bromoform	20		21	105	(71-125)
Isopropylbenzene	20		23	115	(77-124)
1,1,2,2-Tetrachloroethane	20		22	110	(77-130)
1,3-Dichlorobenzene	20		22	110	(82-121)
1,4-Dichlorobenzene	20		23	115	(82-118)
1,2-Dichlorobenzene	20		22	110	(81-122)
1,2-Dibromo-3-Chloropropane	20		23	115	(66-132)
1,2,4-Trichlorobenzene	20		24	120	(71-124)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : BSK0310S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		15	75	(47-148)
Chloromethane	20		17	85	(56-145)
Vinyl Chloride	20		19	95	(60-138)
Bromomethane	20		21	105	(45-158)
Chloroethane	20		23	115	(42-161)
Trichlorofluoromethane	20		23	115	(55-146)
1,1,2-Trichlorotrifluoroethane	20		22	110	(65-134)
1,1-Dichloroethene	20		20	100	(65-136)
Acetone	100		79	79	(57-148)
Carbon Disulfide	20		20	100	(60-138)
Methyl tert-butyl Ether	20		19	95	(70-131)
Methyl Acetate	20		18	90	(44-187)
Methylene Chloride	20		19	95	(63-141)
trans-1,2-Dichloroethene	20		20	100	(73-130)
1,1-Dichloroethane	20		21	105	(74-133)
Cyclohexane	20		20	100	(66-132)
2-Butanone	100		88	88	(52-153)
Carbon Tetrachloride	20		22	110	(74-122)
cis-1,2-Dichloroethene	20		20	100	(75-129)
Chloroform	20		20	100	(75-135)
1,1,1-Trichloroethane	20		21	105	(75-128)
Methylcyclohexane	20		22	110	(71-124)
Benzene	20		20	100	(79-122)
1,2-Dichloroethane	20		20	100	(75-132)
Trichloroethene	20		22	110	(77-120)
1,2-Dichloropropane	20		21	105	(76-127)
Bromodichloromethane	20		20	100	(77-124)
4-Methyl-2-Pentanone	100		95	95	(70-141)
Toluene	20		21	105	(78-121)
t-1,3-Dichloropropene	20		19	95	(76-127)
cis-1,3-Dichloropropene	20		20	100	(79-122)
1,1,2-Trichloroethane	20		19	95	(76-127)
2-Hexanone	100		94	94	(55-154)
Dibromochloromethane	20		20	100	(73-126)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



3A

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546Matrix Spike - EPA Sample No : BSK0310S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		19	95	(76-127)
Tetrachloroethene	20		22	110	(61-145)
Chlorobenzene	20		21	105	(79-120)
Ethyl Benzene	20		22	110	(77-120)
m/p-Xylenes	40		45	113	(78-120)
o-Xylene	20		21	105	(78-119)
Styrene	20		21	105	(80-119)
Bromoform	20		20	100	(71-125)
Isopropylbenzene	20		23	115	(77-124)
1,1,2,2-Tetrachloroethane	20		20	100	(77-130)
1,3-Dichlorobenzene	20		21	105	(82-121)
1,4-Dichlorobenzene	20		21	105	(82-118)
1,2-Dichlorobenzene	20		21	105	(81-122)
1,2-Dibromo-3-Chloropropane	20		21	105	(66-132)
1,2,4-Trichlorobenzene	20		22	110	(71-124)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBE0310W2

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: VE017374.DLab Sample ID: VBE0310W2Date Analyzed: 03/10/2010Time Analyzed: 12:13GC Column: ZB-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAE

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSE0310W1	BSE0310W1	VE017375.D	03/10/2010
BSE0310W2	BSE0310W2	VE017376.D	03/10/2010
TRIPBLANK	B1546-17	VE017377.D	03/10/2010
FIELDBLANK	B1546-16	VE017378.D	03/10/2010

COMMENTS: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0309S1

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: VK037966.DLab Sample ID: VBK0309S1Date Analyzed: 03/09/2010Time Analyzed: 12:41GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOAK

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0309S1	BSK0309S1	VK037967.D	03/09/2010
SS-3 (0-2)	B1546-03	VK037972.D	03/09/2010
SS-1 (0-2)	B1546-01	VK037973.D	03/09/2010
SS-2 (0-2)	B1546-02	VK037974.D	03/09/2010
SS-3 (0-2) MS	B1546-04MS	VK037975.D	03/09/2010
SS-3 (0-2) MSD	B1546-05MSD	VK037976.D	03/09/2010
SS-4 (0-2)	B1546-06	VK037977.D	03/09/2010
SS-6 (0-2)	B1546-08	VK037978.D	03/09/2010
SS-7 (0-2)	B1546-09	VK037979.D	03/09/2010
SS-8 (0-2)	B1546-10	VK037980.D	03/09/2010
SS-9 (0-2)	B1546-11	VK037981.D	03/09/2010
SS-10 (0-2)	B1546-12	VK037982.D	03/09/2010
SS-11 (0-2)	B1546-13	VK037983.D	03/09/2010

COMMENTS: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0310S1

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: VK037989.DLab Sample ID: VBK0310S1Date Analyzed: 03/10/2010Time Analyzed: 10:51GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOAK

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0310S1	BSK0310S1	VK037990.D	03/10/2010
SS-11 (0-2) RE	B1546-13RE	VK037991.D	03/10/2010
SS-12 (0-2)	B1546-14	VK037992.D	03/10/2010
DUP-01	B1546-15	VK037993.D	03/10/2010
SS-12 (0-2) RE	B1546-14RE	VK038004.D	03/10/2010

COMMENTS: _____



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0309S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: VBK0309S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK037966.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0309S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: VBK0309S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK037966.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0310W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: VBE0310W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017374.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0310W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: VBE0310W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017374.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0310S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: VBK0310S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK037989.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0310S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: VBK0310S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK037989.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VE017372.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAE Time Analyzed: 10:50
GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	2802605	9.39	3994991	10.47	3628056	14.86
UPPER LIMIT	5605210	9.89	7989982	10.97	7256112	15.36
LOWER LIMIT	1401303	8.89	1997496	9.97	1814028	14.36
EPA SAMPLE NO.						
FIELD BLANK	2439809	9.39	3586059	10.48	3406435	14.88
TRIP BLANK	2480224	9.40	3675764	10.48	3413940	14.88
BSE0310W1	2489516	9.41	3655869	10.49	3411428	14.89
BSE0310W2	2435244	9.40	3571230	10.48	3299874	14.87
VBE0310W2	2692196	9.40	3895458	10.48	3579791	14.88

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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VE017372.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAE Time Analyzed: 10:50
GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	2161472	18.66				
UPPER LIMIT	4322944	19.16				
LOWER LIMIT	1080736	18.16				
EPA SAMPLE NO.						
FIELDBLANK	1796769	18.67				
TRIPBLANK	1840852	18.67				
BSE0310W1	1978405	18.69				
BSE0310W2	1954137	18.68				
VBE0310W2	1968284	18.67				

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 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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
 Lab File ID: VK037965.D Date Analyzed: 03/09/2010
 Instrument ID: MSVOAK Time Analyzed: 12:04
 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	586000	3.18	946792	3.57	1083312	6.26
UPPER LIMIT	1172000	3.68	1893584	4.07	2166624	6.76
LOWER LIMIT	293000	2.68	473396	3.07	541656	5.76
EPA SAMPLE NO.						
SS-1(0-2)	620271	3.18	941214	3.57	1070538	6.26
SS-2(0-2)	630424	3.18	956518	3.57	1067267	6.26
SS-3(0-2)	596902	3.18	928928	3.57	1034575	6.26
SS-3(0-2)MS	562027	3.18	891924	3.57	1053344	6.26
SS-3(0-2)MSD	564224	3.19	897863	3.57	1037874	6.26
SS-4(0-2)	595422	3.19	907722	3.57	1034393	6.26
SS-6(0-2)	597542	3.19	943630	3.57	1063106	6.26
SS-7(0-2)	564066	3.18	861759	3.57	849937	6.26
SS-8(0-2)	602654	3.19	902912	3.57	1046250	6.26
SS-9(0-2)	631266	3.19	966358	3.57	1044193	6.26
SS-10(0-2)	597598	3.19	913147	3.58	902517	6.26
SS-11(0-2)	505314	3.18	757739	3.57	626324	6.26
BSK0309S1	574915	3.18	917768	3.57	1047816	6.26
VBK0309S1	590180	3.18	906734	3.57	1074061	6.26

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VK037965.D Date Analyzed: 03/09/2010
Instrument ID: MSVOAK Time Analyzed: 12:04
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	604094	8.59				
UPPER LIMIT	1208188	9.09				
LOWER LIMIT	302047	8.09				
EPA SAMPLE NO.						
SS-1 (0-2)	552803	8.59				
SS-2 (0-2)	543481	8.59				
SS-3 (0-2)	565471	8.59				
SS-3 (0-2)MS	561295	8.59				
SS-3 (0-2)MSD	562029	8.59				
SS-4 (0-2)	510577	8.59				
SS-6 (0-2)	572508	8.59				
SS-7 (0-2)	335218	8.59				
SS-8 (0-2)	514421	8.59				
SS-9 (0-2)	512006	8.59				
SS-10 (0-2)	364497	8.59				
SS-11 (0-2)	195259 *	8.59				
BSK0309S1	586448	8.59				
VBK0309S1	595004	8.59				

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VK037988.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAK Time Analyzed: 10:06
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	589064	3.19	965891	3.57	1104395	6.26
UPPER LIMIT	1178128	3.69	1931782	4.07	2208790	6.76
LOWER LIMIT	294532	2.69	482945.5	3.07	552197.5	5.76
EPA SAMPLE NO.						
SS-11(0-2)RE	493983	3.19	739812	3.57	535098 *	6.26
SS-12(0-2)	480174	3.19	693885	3.57	558073	6.26
SS-12(0-2)RE	511905	3.19	769539	3.57	727412	6.26
DUP-01	586723	3.19	897727	3.57	1004276	6.26
BSK0310S1	604407	3.19	958218	3.56	1102212	6.26
VBK0310S1	630310	3.19	963482	3.57	1077306	6.26

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VK037988.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAK Time Analyzed: 10:06
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	636409	8.59				
UPPER LIMIT	1272818	9.09				
LOWER LIMIT	318204.5	8.09				
EPA SAMPLE NO.						
SS-11(0-2)RE	149094 *	8.59				
SS-12(0-2)	158384 *	8.59				
SS-12(0-2)RE	272369 *	8.59				
DUP-01	518869	8.59				
BSK0310S1	620529	8.59				
VBK0310S1	611211	8.59				

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 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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-01

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062532.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
100-52-7	Benzaldehyde	19000	U
108-95-2	Phenol	19000	U
111-44-4	bis(2-Chloroethyl)ether	19000	U
95-57-8	2-Chlorophenol	19000	U
95-48-7	2-Methylphenol	19000	U
108-60-1	2,2-oxybis(1-Chloropropane)	19000	U
98-86-2	Acetophenone	19000	U
65794-96-9	3+4-Methylphenols	19000	U
621-64-7	N-Nitroso-di-n-propylamine	19000	U
67-72-1	Hexachloroethane	19000	U
98-95-3	Nitrobenzene	19000	U
78-59-1	Isophorone	19000	U
88-75-5	2-Nitrophenol	19000	U
105-67-9	2,4-Dimethylphenol	19000	U
111-91-1	bis(2-Chloroethoxy)methane	19000	U
120-83-2	2,4-Dichlorophenol	19000	U
91-20-3	Naphthalene	19000	U
106-47-8	4-Chloroaniline	19000	U
87-68-3	Hexachlorobutadiene	19000	U
105-60-2	Caprolactam	19000	U
59-50-7	4-Chloro-3-methylphenol	19000	U
91-57-6	2-Methylnaphthalene	19000	U
77-47-4	Hexachlorocyclopentadiene	19000	U
88-06-2	2,4,6-Trichlorophenol	19000	U
95-95-4	2,4,5-Trichlorophenol	19000	U
92-52-4	1,1-Biphenyl	19000	U
91-58-7	2-Chloronaphthalene	19000	U

Comments: _____



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-01Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062532.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 13 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
88-74-4	2-Nitroaniline	19000	U
131-11-3	Dimethylphthalate	19000	U
208-96-8	Acenaphthylene	19000	U
606-20-2	2,6-Dinitrotoluene	19000	U
99-09-2	3-Nitroaniline	19000	U
83-32-9	Acenaphthene	19000	U
51-28-5	2,4-Dinitrophenol	19000	U
100-02-7	4-Nitrophenol	19000	U
132-64-9	Dibenzofuran	19000	U
121-14-2	2,4-Dinitrotoluene	19000	U
84-66-2	Diethylphthalate	19000	U
7005-72-3	4-Chlorophenyl-phenylether	19000	U
86-73-7	Fluorene	19000	U
100-01-6	4-Nitroaniline	19000	U
534-52-1	4,6-Dinitro-2-methylphenol	19000	U
86-30-6	N-Nitrosodiphenylamine	19000	U
101-55-3	4-Bromophenyl-phenylether	19000	U
118-74-1	Hexachlorobenzene	19000	U
1912-24-9	Atrazine	19000	U
87-86-5	Pentachlorophenol	19000	U
85-01-8	Phenanthrene	19000	U
120-12-7	Anthracene	19000	U
86-74-8	Carbazole	19000	U
84-74-2	Di-n-butylphthalate	19000	U
206-44-0	Fluoranthene	19000	U
129-00-0	Pyrene	19000	U
85-68-7	Butylbenzylphthalate	19000	U
91-94-1	3,3-Dichlorobenzidine	19000	U
56-55-3	Benzo(a)anthracene	19000	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-01Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062532.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 13 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH
Concentration Units:CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

218-01-9	Chrysene	19000	U
117-81-7	bis(2-Ethylhexyl)phthalate	19000	U
117-84-0	Di-n-octyl phthalate	19000	U
205-99-2	Benzo(b)fluoranthene	19000	U
207-08-9	Benzo(k)fluoranthene	19000	U
50-32-8	Benzo(a)pyrene	19000	U
193-39-5	Indeno(1,2,3-cd)pyrene	19000	U
53-70-3	Dibenz(a,h)anthracene	19000	U
191-24-2	Benzo(g,h,i)perylene	19000	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-01

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062532.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	14000	AB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-01RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063025.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 13 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
65794-96-9	3+4-Methylphenols	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	380	U
92-52-4	1,1-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	300	JB
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	380	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-01RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063025.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 13 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	380	U	
51-28-5	2,4-Dinitrophenol	380	U	
100-02-7	4-Nitrophenol	380	U	
132-64-9	Dibenzofuran	380	U	
121-14-2	2,4-Dinitrotoluene	380	U	
84-66-2	Diethylphthalate	380	U	
7005-72-3	4-Chlorophenyl-phenylether	380	U	
86-73-7	Fluorene	380	U	
100-01-6	4-Nitroaniline	380	U	
534-52-1	4,6-Dinitro-2-methylphenol	380	U	
86-30-6	N-Nitrosodiphenylamine	380	U	
101-55-3	4-Bromophenyl-phenylether	380	U	
118-74-1	Hexachlorobenzene	380	U	
1912-24-9	Atrazine	380	U	
87-86-5	Pentachlorophenol	380	U	
85-01-8	Phenanthrene	230	J	
120-12-7	Anthracene	380	U	
86-74-8	Carbazole	380	U	
84-74-2	Di-n-butylphthalate	380	U	
206-44-0	Fluoranthene	530		
129-00-0	Pyrene	390		
85-68-7	Butylbenzylphthalate	380	U	
91-94-1	3,3-Dichlorobenzidine	380	U	
56-55-3	Benzo(a)anthracene	300	J	
218-01-9	Chrysene	330	J	
117-81-7	bis(2-Ethylhexyl)phthalate	380	U	
117-84-0	Di-n-octyl phthalate	380	U	
205-99-2	Benzo(b)fluoranthene	380		
207-08-9	Benzo(k)fluoranthene	180	J	
50-32-8	Benzo(a)pyrene	320	J	
193-39-5	Indeno(1,2,3-cd)pyrene	220	J	
53-70-3	Dibenz(a,h)anthracene	380	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-01RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063025.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 13 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	250	J

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**SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS**

CLIENT SAMPLE NO.

SS-1(0-2)REContract: **PWGR01**Lab Code: **CHEM** Case No.: **B1546** SAS No.: **B1546** SDG No.: **B1546**Matrix (soil/water): **SOIL**Lab Sample ID: **B1546-01RE**Sample wt/vol: **30.00** (g/mL) **g**Lab File ID: **BE063025.D**Level (low/med): **LOW**Date Received: **3/9/2010**% Moisture: **0** decanted: (Y/N) **N**Date Extracted: **3/31/2010**Concentrated Extract Volume: **1000** (uL)Date Analyzed: **4/1/2010**Injection Volume: **1.0**Dilution Factor: **1.0**GPC Cleanup: (Y/N) **Y** pH: **N/A**Number TICS found: **2**Concentration Units: **ug/Kg**

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.22	1100	AB
198-55-0	Perylene	14.20	270	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-02

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062520.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	1200	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-02

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062520.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-02Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062520.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-02

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062520.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.93	840	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.41	11000	AB
506-52-5	1-Hexacosanol	12.6	720	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-02RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062999.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	360	U	
108-95-2	Phenol	360	U	
111-44-4	bis(2-Chloroethyl)ether	360	U	
95-57-8	2-Chlorophenol	360	U	
95-48-7	2-Methylphenol	360	U	
108-60-1	2,2-oxybis(1-Chloropropane)	360	U	
98-86-2	Acetophenone	360	U	
65794-96-9	3+4-Methylphenols	360	U	
621-64-7	N-Nitroso-di-n-propylamine	360	U	
67-72-1	Hexachloroethane	360	U	
98-95-3	Nitrobenzene	360	U	
78-59-1	Isophorone	360	U	
88-75-5	2-Nitrophenol	360	U	
105-67-9	2,4-Dimethylphenol	360	U	
111-91-1	bis(2-Chloroethoxy)methane	360	U	
120-83-2	2,4-Dichlorophenol	360	U	
91-20-3	Naphthalene	360	U	
106-47-8	4-Chloroaniline	360	U	
87-68-3	Hexachlorobutadiene	360	U	
105-60-2	Caprolactam	360	U	
59-50-7	4-Chloro-3-methylphenol	360	U	
91-57-6	2-Methylnaphthalene	360	U	
77-47-4	Hexachlorocyclopentadiene	360	U	
88-06-2	2,4,6-Trichlorophenol	360	U	
95-95-4	2,4,5-Trichlorophenol	360	U	
92-52-4	1,1-Biphenyl	360	U	
91-58-7	2-Chloronaphthalene	360	U	
88-74-4	2-Nitroaniline	360	U	
131-11-3	Dimethylphthalate	240	JB	
208-96-8	Acenaphthylene	360	U	
606-20-2	2,6-Dinitrotoluene	360	U	
99-09-2	3-Nitroaniline	360	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-02RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062999.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	360	U	
51-28-5	2,4-Dinitrophenol	360	U	
100-02-7	4-Nitrophenol	360	U	
132-64-9	Dibenzofuran	360	U	
121-14-2	2,4-Dinitrotoluene	360	U	
84-66-2	Diethylphthalate	360	U	
7005-72-3	4-Chlorophenyl-phenylether	360	U	
86-73-7	Fluorene	360	U	
100-01-6	4-Nitroaniline	360	U	
534-52-1	4,6-Dinitro-2-methylphenol	360	U	
86-30-6	N-Nitrosodiphenylamine	360	U	
101-55-3	4-Bromophenyl-phenylether	360	U	
118-74-1	Hexachlorobenzene	360	U	
1912-24-9	Atrazine	360	U	
87-86-5	Pentachlorophenol	360	U	
85-01-8	Phenanthrene	360	U	
120-12-7	Anthracene	360	U	
86-74-8	Carbazole	360	U	
84-74-2	Di-n-butylphthalate	360	U	
206-44-0	Fluoranthene	360	U	
129-00-0	Pyrene	360	U	
85-68-7	Butylbenzylphthalate	360	U	
91-94-1	3,3-Dichlorobenzidine	360	U	
56-55-3	Benzo(a)anthracene	360	U	
218-01-9	Chrysene	360	U	
117-81-7	bis(2-Ethylhexyl)phthalate	290	J	
117-84-0	Di-n-octyl phthalate	360	U	
205-99-2	Benzo(b)fluoranthene	360	U	
207-08-9	Benzo(k)fluoranthene	360	U	
50-32-8	Benzo(a)pyrene	360	U	
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	
53-70-3	Dibenz(a,h)anthracene	360	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-02RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062999.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	360	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-2(0-2)RE

Contract: **PWGR01**

Lab Code: **CHEM** Case No.: **B1546** SAS No.: **B1546** SDG No.: **B1546**

Matrix (soil/water): **SOIL**

Lab Sample ID: **B1546-02RE**

Sample wt/vol: **30.00** (g/mL) **g**

Lab File ID: **BE062999.D**

Level (low/med): **LOW**

Date Received: **3/9/2010**

% Moisture: **0** decanted: (Y/N) **N**

Date Extracted: **3/31/2010**

Concentrated Extract Volume: **1000** (uL)

Date Analyzed: **4/1/2010**

Injection Volume: **1.0**

Dilution Factor: **1.0**

GPC Cleanup: (Y/N) **N** pH: **N/A**

Number TICS found: **8**

Concentration Units: **ug/Kg**

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.24	830	AB
5444-75-7	Benzoic acid, 2-ethylhexyl ester	8.79	93	J
544-63-8	Tetradecanoic acid	9.99	180	J
112-88-9	1-Octadecene	10.62	140	J
57-11-4	Octadecanoic acid	10.95	80	J
36617-50-2	Heptadecanoic acid, heptadecyl est	11.53	78	J
297-03-0	Cyclotetracosane	12.38	280	J
18435-45-5	1-Nonadecene	13.16	110	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-03

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062521.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3600	U
108-95-2	Phenol	3600	U
111-44-4	bis(2-Chloroethyl)ether	3600	U
95-57-8	2-Chlorophenol	3600	U
95-48-7	2-Methylphenol	3600	U
108-60-1	2,2-oxybis(1-Chloropropane)	3600	U
98-86-2	Acetophenone	3600	U
65794-96-9	3+4-Methylphenols	3600	U
621-64-7	N-Nitroso-di-n-propylamine	3600	U
67-72-1	Hexachloroethane	3600	U
98-95-3	Nitrobenzene	3600	U
78-59-1	Isophorone	3600	U
88-75-5	2-Nitrophenol	3600	U
105-67-9	2,4-Dimethylphenol	3600	U
111-91-1	bis(2-Chloroethoxy)methane	3600	U
120-83-2	2,4-Dichlorophenol	3600	U
91-20-3	Naphthalene	3600	U
106-47-8	4-Chloroaniline	3600	U
87-68-3	Hexachlorobutadiene	3600	U
105-60-2	Caprolactam	3600	U
59-50-7	4-Chloro-3-methylphenol	3600	U
91-57-6	2-Methylnaphthalene	3600	U
77-47-4	Hexachlorocyclopentadiene	3600	U
88-06-2	2,4,6-Trichlorophenol	3600	U
95-95-4	2,4,5-Trichlorophenol	3600	U
92-52-4	1,1-Biphenyl	3600	U
91-58-7	2-Chloronaphthalene	3600	U
88-74-4	2-Nitroaniline	3600	U
131-11-3	Dimethylphthalate	2000	JB

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-03Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062521.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U
99-09-2	3-Nitroaniline	3600	U
83-32-9	Acenaphthene	3600	U
51-28-5	2,4-Dinitrophenol	3600	U
100-02-7	4-Nitrophenol	3600	U
132-64-9	Dibenzofuran	3600	U
121-14-2	2,4-Dinitrotoluene	3600	U
84-66-2	Diethylphthalate	3600	U
7005-72-3	4-Chlorophenyl-phenylether	3600	U
86-73-7	Fluorene	3600	U
100-01-6	4-Nitroaniline	3600	U
534-52-1	4,6-Dinitro-2-methylphenol	3600	U
86-30-6	N-Nitrosodiphenylamine	3600	U
101-55-3	4-Bromophenyl-phenylether	3600	U
118-74-1	Hexachlorobenzene	3600	U
1912-24-9	Atrazine	3600	U
87-86-5	Pentachlorophenol	3600	U
85-01-8	Phenanthrene	3600	U
120-12-7	Anthracene	3600	U
86-74-8	Carbazole	3600	U
84-74-2	Di-n-butylphthalate	3600	U
206-44-0	Fluoranthene	3600	U
129-00-0	Pyrene	3600	U
85-68-7	Butylbenzylphthalate	3600	U
91-94-1	3,3-Dichlorobenzidine	3600	U
56-55-3	Benzo(a)anthracene	3600	U
218-01-9	Chrysene	3600	U
117-81-7	bis(2-Ethylhexyl)phthalate	55000	E

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-03Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062521.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3600	U
205-99-2	Benzo(b)fluoranthene	3600	U
207-08-9	Benzo(k)fluoranthene	3600	U
50-32-8	Benzo(a)pyrene	3600	U
193-39-5	Indeno(1,2,3-cd)pyrene	3600	U
53-70-3	Dibenz(a,h)anthracene	3600	U
191-24-2	Benzo(g,h,i)perylene	3600	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-03

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062521.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	1000	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.41	13000	AB
103604-31-5	Cyclopropanecarboxylic acid, 2-eth	5.05	790	J
110-82-7	Cyclohexane	5.08	940	J
18835-33-1	1-Hexacosene	12.61	1600	J
593-49-7	Heptacosane	14.37	1700	J
25117-26-4	Hexadecane, 4-methyl-	15.72	910	J
13151-79-6	Undecane, 4-cyclohexyl-	15.8	1700	J
100808-02-4	2,2-Binaphthalene, 6,6-dioctyl-	16.9	1500	J
83-46-5	.beta.-Sitosterol	18.26	3300	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-03RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063000.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 11 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
100-52-7	Benzaldehyde	130	J
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
65794-96-9	3+4-Methylphenols	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	370	U
92-52-4	1,1-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	370	U
131-11-3	Dimethylphthalate	240	JB
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	370	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-03RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063000.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 11 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	370	U
100-02-7	4-Nitrophenol	370	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	50	J
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	370	U
534-52-1	4,6-Dinitro-2-methylphenol	370	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	370	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	990	
117-84-0	Di-n-octyl phthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-03RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063000.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 11 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	370	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-3(0-2)RE

Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL

Lab Sample ID: B1546-03RE

Sample wt/vol: 30.00 (g/mL) g

Lab File ID: BE063000.D

Level (low/med): LOW

Date Received: 3/9/2010

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 3/31/2010

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 4/1/2010

Injection Volume: 1.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: N/A

Number TICS found: 20

Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.25	1000	AB
80-56-8	.alpha.-Pinene	4.16	310	J
57-10-3	n-Hexadecanoic acid	10.00	330	J
18435-45-5	1-Nonadecene	10.62	400	J
	unknown12.30	12.30	780	J
3452-07-1	1-Eicosene	12.38	620	J
	unknown12.69	12.69	470	J
131758-71-9	(2,3-Diphenylcyclopropyl)methyl ph	12.75	730	J
4757-69-1	1H-Indole, 2-methyl-3-phenyl-	12.78	280	J
1599-67-3	1-Docosene	13.16	1000	J
630-01-3	Hexacosane	14.04	570	J
295-17-0	Cyclotetradecane	14.07	400	J
629-98-1	13-Docosen-1-ol, (Z)-	14.89	280	J
7225-64-1	Heptadecane, 9-octyl-	15.24	370	J
74685-30-6	5-Eicosene, (E)-	15.33	1400	J
1000161-48-2	1-Zirconacyclopenta-2,4-diene, 2,3	16.32	780	J
83-46-5	.beta.-Sitosterol	17.51	1000	J
2435-53-2	3,5-Cyclohexadiene-1,2-dione, 3,4,	18.12	370	J
7560-64-7	3-Cyclohexene-1-carboxaldehyde, 4-	19.09	560	J
39546-80-0	Neopentylidenecyclohexane	20.58	890	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)DL

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-03DL

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062540.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	18000	UD
108-95-2	Phenol	18000	UD
111-44-4	bis(2-Chloroethyl)ether	18000	UD
95-57-8	2-Chlorophenol	18000	UD
95-48-7	2-Methylphenol	18000	UD
108-60-1	2,2-oxybis(1-Chloropropane)	18000	UD
98-86-2	Acetophenone	18000	UD
65794-96-9	3+4-Methylphenols	18000	UD
621-64-7	N-Nitroso-di-n-propylamine	18000	UD
67-72-1	Hexachloroethane	18000	UD
98-95-3	Nitrobenzene	18000	UD
78-59-1	Isophorone	18000	UD
88-75-5	2-Nitrophenol	18000	UD
105-67-9	2,4-Dimethylphenol	18000	UD
111-91-1	bis(2-Chloroethoxy)methane	18000	UD
120-83-2	2,4-Dichlorophenol	18000	UD
91-20-3	Naphthalene	18000	UD
106-47-8	4-Chloroaniline	18000	UD
87-68-3	Hexachlorobutadiene	18000	UD
105-60-2	Caprolactam	18000	UD
59-50-7	4-Chloro-3-methylphenol	18000	UD
91-57-6	2-Methylnaphthalene	18000	UD
77-47-4	Hexachlorocyclopentadiene	18000	UD
88-06-2	2,4,6-Trichlorophenol	18000	UD
95-95-4	2,4,5-Trichlorophenol	18000	UD
92-52-4	1,1-Biphenyl	18000	UD
91-58-7	2-Chloronaphthalene	18000	UD
88-74-4	2-Nitroaniline	18000	UD
131-11-3	Dimethylphthalate	18000	UD

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)DL

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-03DLSample wt/vol: 3.06 (g/mL) g Lab File ID: BE062540.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	18000	UD
606-20-2	2,6-Dinitrotoluene	18000	UD
99-09-2	3-Nitroaniline	18000	UD
83-32-9	Acenaphthene	18000	UD
51-28-5	2,4-Dinitrophenol	18000	UD
100-02-7	4-Nitrophenol	18000	UD
132-64-9	Dibenzofuran	18000	UD
121-14-2	2,4-Dinitrotoluene	18000	UD
84-66-2	Diethylphthalate	18000	UD
7005-72-3	4-Chlorophenyl-phenylether	18000	UD
86-73-7	Fluorene	18000	UD
100-01-6	4-Nitroaniline	18000	UD
534-52-1	4,6-Dinitro-2-methylphenol	18000	UD
86-30-6	N-Nitrosodiphenylamine	18000	UD
101-55-3	4-Bromophenyl-phenylether	18000	UD
118-74-1	Hexachlorobenzene	18000	UD
1912-24-9	Atrazine	18000	UD
87-86-5	Pentachlorophenol	18000	UD
85-01-8	Phenanthrene	18000	UD
120-12-7	Anthracene	18000	UD
86-74-8	Carbazole	18000	UD
84-74-2	Di-n-butylphthalate	18000	UD
206-44-0	Fluoranthene	18000	UD
129-00-0	Pyrene	18000	UD
85-68-7	Butylbenzylphthalate	18000	UD
91-94-1	3,3-Dichlorobenzidine	18000	UD
56-55-3	Benzo(a)anthracene	18000	UD
218-01-9	Chrysene	18000	UD
117-81-7	bis(2-Ethylhexyl)phthalate	46000	D

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)DL

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-03DLSample wt/vol: 3.06 (g/mL) g Lab File ID: BE062540.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	18000	UD
205-99-2	Benzo(b)fluoranthene	18000	UD
207-08-9	Benzo(k)fluoranthene	18000	UD
50-32-8	Benzo(a)pyrene	18000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	18000	UD
53-70-3	Dibenz(a,h)anthracene	18000	UD
191-24-2	Benzo(g,h,i)perylene	18000	UD

Comments: _____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-06

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062524.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3700	U
108-95-2	Phenol	3700	U
111-44-4	bis(2-Chloroethyl)ether	3700	U
95-57-8	2-Chlorophenol	3700	U
95-48-7	2-Methylphenol	3700	U
108-60-1	2,2-oxybis(1-Chloropropane)	3700	U
98-86-2	Acetophenone	3700	U
65794-96-9	3+4-Methylphenols	3700	U
621-64-7	N-Nitroso-di-n-propylamine	3700	U
67-72-1	Hexachloroethane	3700	U
98-95-3	Nitrobenzene	3700	U
78-59-1	Isophorone	3700	U
88-75-5	2-Nitrophenol	3700	U
105-67-9	2,4-Dimethylphenol	3700	U
111-91-1	bis(2-Chloroethoxy)methane	3700	U
120-83-2	2,4-Dichlorophenol	3700	U
91-20-3	Naphthalene	3700	U
106-47-8	4-Chloroaniline	3700	U
87-68-3	Hexachlorobutadiene	3700	U
105-60-2	Caprolactam	3700	U
59-50-7	4-Chloro-3-methylphenol	3700	U
91-57-6	2-Methylnaphthalene	3700	U
77-47-4	Hexachlorocyclopentadiene	3700	U
88-06-2	2,4,6-Trichlorophenol	3700	U
95-95-4	2,4,5-Trichlorophenol	3700	U
92-52-4	1,1-Biphenyl	3700	U
91-58-7	2-Chloronaphthalene	3700	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	1200	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-06

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062524.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3700	U
606-20-2	2,6-Dinitrotoluene	3700	U
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	3700	U
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	3700	U
121-14-2	2,4-Dinitrotoluene	3700	U
84-66-2	Diethylphthalate	3700	U
7005-72-3	4-Chlorophenyl-phenylether	3700	U
86-73-7	Fluorene	3700	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine	3700	U
101-55-3	4-Bromophenyl-phenylether	3700	U
118-74-1	Hexachlorobenzene	3700	U
1912-24-9	Atrazine	3700	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	3700	U
120-12-7	Anthracene	3700	U
86-74-8	Carbazole	3700	U
84-74-2	Di-n-butylphthalate	3700	U
206-44-0	Fluoranthene	560	J
129-00-0	Pyrene	550	J
85-68-7	Butylbenzylphthalate	3700	U
91-94-1	3,3-Dichlorobenzidine	3700	U
56-55-3	Benzo(a)anthracene	3700	U
218-01-9	Chrysene	480	J
117-81-7	bis(2-Ethylhexyl)phthalate	3700	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-06Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062524.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 14 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3700	U
205-99-2	Benzo(b)fluoranthene	780	J
207-08-9	Benzo(k)fluoranthene	3700	U
50-32-8	Benzo(a)pyrene	610	J
193-39-5	Indeno(1,2,3-cd)pyrene	530	J
53-70-3	Dibenz(a,h)anthracene	3700	U
191-24-2	Benzo(g,h,i)perylene	610	J

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-06

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062524.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	1000	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	13000	AB
557-61-9	Octacosanol	12.6	1300	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-06RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063030.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 14 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	120	J
65794-96-9	3+4-Methylphenols	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	380	U
92-52-4	1,1-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	200	JB
208-96-8	Acenaphthylene	230	J
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	380	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-06RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063030.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 14 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	380	U	
51-28-5	2,4-Dinitrophenol	380	U	
100-02-7	4-Nitrophenol	380	U	
132-64-9	Dibenzofuran	380	U	
121-14-2	2,4-Dinitrotoluene	380	U	
84-66-2	Diethylphthalate	380	U	
7005-72-3	4-Chlorophenyl-phenylether	380	U	
86-73-7	Fluorene	380	U	
100-01-6	4-Nitroaniline	380	U	
534-52-1	4,6-Dinitro-2-methylphenol	380	U	
86-30-6	N-Nitrosodiphenylamine	380	U	
101-55-3	4-Bromophenyl-phenylether	380	U	
118-74-1	Hexachlorobenzene	380	U	
1912-24-9	Atrazine	380	U	
87-86-5	Pentachlorophenol	380	U	
85-01-8	Phenanthrene	370	J	
120-12-7	Anthracene	140	J	
86-74-8	Carbazole	380	U	
84-74-2	Di-n-butylphthalate	380	U	
206-44-0	Fluoranthene	1700		
129-00-0	Pyrene	1200		
85-68-7	Butylbenzylphthalate	380	U	
91-94-1	3,3-Dichlorobenzidine	380	U	
56-55-3	Benzo(a)anthracene	1100		
218-01-9	Chrysene	1100		
117-81-7	bis(2-Ethylhexyl)phthalate	380	U	
117-84-0	Di-n-octyl phthalate	380	U	
205-99-2	Benzo(b)fluoranthene	1300		
207-08-9	Benzo(k)fluoranthene	490		
50-32-8	Benzo(a)pyrene	940		
193-39-5	Indeno(1,2,3-cd)pyrene	560		
53-70-3	Dibenz(a,h)anthracene	190	J	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-06RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063030.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 14 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	640	

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-4(0-2)RE

Contract: **PWGR01**

Lab Code: **CHEM** Case No.: **B1546** SAS No.: **B1546** SDG No.: **B1546**

Matrix (soil/water): **SOIL**

Lab Sample ID: **B1546-06RE**

Sample wt/vol: **30.00** (g/mL) **g**

Lab File ID: **BE063030.D**

Level (low/med): **LOW**

Date Received: **3/9/2010**

% Moisture: **0** decanted: (Y/N) **N**

Date Extracted: **3/31/2010**

Concentrated Extract Volume: **1000** (uL)

Date Analyzed: **4/2/2010**

Injection Volume: **1.0**

Dilution Factor: **1.0**

GPC Cleanup: (Y/N) **Y** pH: **N/A**

Number TICS found: **10**

Concentration Units: **ug/Kg**

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	unknown2.42	2.42	160	J
54340-89-5	2-Propanol, 1-(1,3-dimethylbutoxy)	2.97	160	J
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.22	1100	AB
610-48-0	Anthracene, 1-methyl-	9.95	160	J
203-64-5	4H-Cyclopenta[def]phenanthrene	10.04	210	J
886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	10.87	240	J
3442-78-2	Pyrene, 2-methyl-	11.44	160	J
238-84-6	11H-Benzo[a]fluorene	11.56	160	J
205-82-3	Benzo[j]fluoranthene	13.95	330	J
198-55-0	Perylene	14.20	730	J



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-07Sample wt/vol: 3.09 (g/mL) g Lab File ID: BE062525.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	1600	JB

Comments: _____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-07

Sample wt/vol: 3.09 (g/mL) g Lab File ID: BE062525.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-07Sample wt/vol: 3.09 (g/mL) g Lab File ID: BE062525.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-5(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-07

Sample wt/vol: 3.09 (g/mL) g Lab File ID: BE062525.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	9700	AB
1599-67-3	1-Docosene	12.6	910	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-07RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063002.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
65794-96-9	3+4-Methylphenols	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	360	U
92-52-4	1,1-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	360	U
131-11-3	Dimethylphthalate	220	JB
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	360	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-07RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063002.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	360	U	
51-28-5	2,4-Dinitrophenol	360	U	
100-02-7	4-Nitrophenol	360	U	
132-64-9	Dibenzofuran	360	U	
121-14-2	2,4-Dinitrotoluene	360	U	
84-66-2	Diethylphthalate	360	U	
7005-72-3	4-Chlorophenyl-phenylether	360	U	
86-73-7	Fluorene	360	U	
100-01-6	4-Nitroaniline	360	U	
534-52-1	4,6-Dinitro-2-methylphenol	360	U	
86-30-6	N-Nitrosodiphenylamine	360	U	
101-55-3	4-Bromophenyl-phenylether	360	U	
118-74-1	Hexachlorobenzene	360	U	
1912-24-9	Atrazine	360	U	
87-86-5	Pentachlorophenol	360	U	
85-01-8	Phenanthrene	360	U	
120-12-7	Anthracene	360	U	
86-74-8	Carbazole	360	U	
84-74-2	Di-n-butylphthalate	360	U	
206-44-0	Fluoranthene	360	U	
129-00-0	Pyrene	360	U	
85-68-7	Butylbenzylphthalate	360	U	
91-94-1	3,3-Dichlorobenzidine	360	U	
56-55-3	Benzo(a)anthracene	360	U	
218-01-9	Chrysene	360	U	
117-81-7	bis(2-Ethylhexyl)phthalate	360	U	
117-84-0	Di-n-octyl phthalate	360	U	
205-99-2	Benzo(b)fluoranthene	360	U	
207-08-9	Benzo(k)fluoranthene	360	U	
50-32-8	Benzo(a)pyrene	360	U	
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	
53-70-3	Dibenz(a,h)anthracene	360	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-07RE
Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063002.D
Level: (low/med) LOW Date Received: 3/9/2010
% Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
Injection Volume: 1.0 Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	Q
191-24-2	Benzo(g, h, i)perylene	360	U

-1F-

**SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS**

CLIENT SAMPLE NO.

SS-5(0-2)RE

Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOILLab Sample ID: B1546-07RESample wt/vol: 30.00 (g/mL) gLab File ID: BE063002.DLevel (low/med): LOWDate Received: 3/9/2010% Moisture: 0 decanted: (Y/N) NDate Extracted: 3/31/2010Concentrated Extract Volume: 1000 (uL)Date Analyzed: 4/1/2010Injection Volume: 1.0Dilution Factor: 1.0GPC Cleanup: (Y/N) N pH: N/ANumber TICS found: 3Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.24	990	AB
296-56-0	Cycloeicosane	12.38	260	J
6971-40-0	17-Pentatriacontene	13.16	220	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-08

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062526.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3600	U
108-95-2	Phenol	3600	U
111-44-4	bis(2-Chloroethyl)ether	3600	U
95-57-8	2-Chlorophenol	3600	U
95-48-7	2-Methylphenol	3600	U
108-60-1	2,2-oxybis(1-Chloropropane)	3600	U
98-86-2	Acetophenone	3600	U
65794-96-9	3+4-Methylphenols	3600	U
621-64-7	N-Nitroso-di-n-propylamine	3600	U
67-72-1	Hexachloroethane	3600	U
98-95-3	Nitrobenzene	3600	U
78-59-1	Isophorone	3600	U
88-75-5	2-Nitrophenol	3600	U
105-67-9	2,4-Dimethylphenol	3600	U
111-91-1	bis(2-Chloroethoxy)methane	3600	U
120-83-2	2,4-Dichlorophenol	3600	U
91-20-3	Naphthalene	3600	U
106-47-8	4-Chloroaniline	3600	U
87-68-3	Hexachlorobutadiene	3600	U
105-60-2	Caprolactam	3600	U
59-50-7	4-Chloro-3-methylphenol	3600	U
91-57-6	2-Methylnaphthalene	3600	U
77-47-4	Hexachlorocyclopentadiene	3600	U
88-06-2	2,4,6-Trichlorophenol	3600	U
95-95-4	2,4,5-Trichlorophenol	3600	U
92-52-4	1,1-Biphenyl	3600	U
91-58-7	2-Chloronaphthalene	3600	U
88-74-4	2-Nitroaniline	3600	U
131-11-3	Dimethylphthalate	1600	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-08

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062526.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U
99-09-2	3-Nitroaniline	3600	U
83-32-9	Acenaphthene	3600	U
51-28-5	2,4-Dinitrophenol	3600	U
100-02-7	4-Nitrophenol	3600	U
132-64-9	Dibenzofuran	3600	U
121-14-2	2,4-Dinitrotoluene	3600	U
84-66-2	Diethylphthalate	3600	U
7005-72-3	4-Chlorophenyl-phenylether	3600	U
86-73-7	Fluorene	3600	U
100-01-6	4-Nitroaniline	3600	U
534-52-1	4,6-Dinitro-2-methylphenol	3600	U
86-30-6	N-Nitrosodiphenylamine	3600	U
101-55-3	4-Bromophenyl-phenylether	3600	U
118-74-1	Hexachlorobenzene	3600	U
1912-24-9	Atrazine	3600	U
87-86-5	Pentachlorophenol	3600	U
85-01-8	Phenanthrene	3600	U
120-12-7	Anthracene	3600	U
86-74-8	Carbazole	3600	U
84-74-2	Di-n-butylphthalate	3600	U
206-44-0	Fluoranthene	3600	U
129-00-0	Pyrene	3600	U
85-68-7	Butylbenzylphthalate	3600	U
91-94-1	3,3-Dichlorobenzidine	3600	U
56-55-3	Benzo(a)anthracene	3600	U
218-01-9	Chrysene	3600	U
117-81-7	bis(2-Ethylhexyl)phthalate	3600	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-08Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062526.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 10 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3600	U
205-99-2	Benzo(b)fluoranthene	3600	U
207-08-9	Benzo(k)fluoranthene	3600	U
50-32-8	Benzo(a)pyrene	3600	U
193-39-5	Indeno(1,2,3-cd)pyrene	3600	U
53-70-3	Dibenz(a,h)anthracene	3600	U
191-24-2	Benzo(g,h,i)perylene	3600	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-08

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062526.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	970	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	12000	AB
5444-75-7	Benzoic acid, 2-ethylhexyl ester	9	1100	J
297-24-5	Cyclooctacosane	12.6	1100	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-08RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063001.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 10 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	370	U	
108-95-2	Phenol	370	U	
111-44-4	bis(2-Chloroethyl)ether	370	U	
95-57-8	2-Chlorophenol	370	U	
95-48-7	2-Methylphenol	370	U	
108-60-1	2,2-oxybis(1-Chloropropane)	370	U	
98-86-2	Acetophenone	370	U	
65794-96-9	3+4-Methylphenols	370	U	
621-64-7	N-Nitroso-di-n-propylamine	370	U	
67-72-1	Hexachloroethane	370	U	
98-95-3	Nitrobenzene	370	U	
78-59-1	Isophorone	370	U	
88-75-5	2-Nitrophenol	370	U	
105-67-9	2,4-Dimethylphenol	370	U	
111-91-1	bis(2-Chloroethoxy)methane	370	U	
120-83-2	2,4-Dichlorophenol	370	U	
91-20-3	Naphthalene	370	U	
106-47-8	4-Chloroaniline	370	U	
87-68-3	Hexachlorobutadiene	370	U	
105-60-2	Caprolactam	370	U	
59-50-7	4-Chloro-3-methylphenol	370	U	
91-57-6	2-Methylnaphthalene	370	U	
77-47-4	Hexachlorocyclopentadiene	370	U	
88-06-2	2,4,6-Trichlorophenol	370	U	
95-95-4	2,4,5-Trichlorophenol	370	U	
92-52-4	1,1-Biphenyl	370	U	
91-58-7	2-Chloronaphthalene	370	U	
88-74-4	2-Nitroaniline	370	U	
131-11-3	Dimethylphthalate	250	JB	
208-96-8	Acenaphthylene	370	U	
606-20-2	2,6-Dinitrotoluene	370	U	
99-09-2	3-Nitroaniline	370	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-08RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063001.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 10 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	370	U	
51-28-5	2,4-Dinitrophenol	370	U	
100-02-7	4-Nitrophenol	370	U	
132-64-9	Dibenzofuran	370	U	
121-14-2	2,4-Dinitrotoluene	370	U	
84-66-2	Diethylphthalate	370	U	
7005-72-3	4-Chlorophenyl-phenylether	370	U	
86-73-7	Fluorene	370	U	
100-01-6	4-Nitroaniline	370	U	
534-52-1	4,6-Dinitro-2-methylphenol	370	U	
86-30-6	N-Nitrosodiphenylamine	370	U	
101-55-3	4-Bromophenyl-phenylether	370	U	
118-74-1	Hexachlorobenzene	370	U	
1912-24-9	Atrazine	370	U	
87-86-5	Pentachlorophenol	370	U	
85-01-8	Phenanthrene	66	J	
120-12-7	Anthracene	370	U	
86-74-8	Carbazole	370	U	
84-74-2	Di-n-butylphthalate	370	U	
206-44-0	Fluoranthene	150	J	
129-00-0	Pyrene	130	J	
85-68-7	Butylbenzylphthalate	370	U	
91-94-1	3,3-Dichlorobenzidine	370	U	
56-55-3	Benzo(a)anthracene	78	J	
218-01-9	Chrysene	87	J	
117-81-7	bis(2-Ethylhexyl)phthalate	370	U	
117-84-0	Di-n-octyl phthalate	370	U	
205-99-2	Benzo(b)fluoranthene	120	J	
207-08-9	Benzo(k)fluoranthene	48	J	
50-32-8	Benzo(a)pyrene	91	J	
193-39-5	Indeno(1,2,3-cd)pyrene	63	J	
53-70-3	Dibenz(a,h)anthracene	370	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-08RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063001.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 10 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	82	J

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**SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS**

CLIENT SAMPLE NO.

SS-6(0-2)REContract: **PWGR01**Lab Code: **CHEM** Case No.: **B1546** SAS No.: **B1546** SDG No.: **B1546**Matrix (soil/water): **SOIL**Lab Sample ID: **B1546-08RE**Sample wt/vol: **30.00** (g/mL) **g**Lab File ID: **BE063001.D**Level (low/med): **LOW**Date Received: **3/9/2010**% Moisture: **0** decanted: (Y/N) **N**Date Extracted: **3/31/2010**Concentrated Extract Volume: **1000** (uL)Date Analyzed: **4/1/2010**Injection Volume: **1.0**Dilution Factor: **1.0**GPC Cleanup: (Y/N) **N** pH: **N/A**Number TICS found: **5**Concentration Units: **ug/Kg**

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.25	1100	AB
57-10-3	n-Hexadecanoic acid	10.00	150	J
	unknown10.90	10.90	74	JB
18835-33-1	1-Hexacosene	12.38	240	J
	unknown13.17	13.17	84	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-09

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062533.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	22000	U
108-95-2	Phenol	22000	U
111-44-4	bis(2-Chloroethyl)ether	22000	U
95-57-8	2-Chlorophenol	22000	U
95-48-7	2-Methylphenol	22000	U
108-60-1	2,2-oxybis(1-Chloropropane)	22000	U
98-86-2	Acetophenone	22000	U
65794-96-9	3+4-Methylphenols	22000	U
621-64-7	N-Nitroso-di-n-propylamine	22000	U
67-72-1	Hexachloroethane	22000	U
98-95-3	Nitrobenzene	22000	U
78-59-1	Isophorone	22000	U
88-75-5	2-Nitrophenol	22000	U
105-67-9	2,4-Dimethylphenol	22000	U
111-91-1	bis(2-Chloroethoxy)methane	22000	U
120-83-2	2,4-Dichlorophenol	22000	U
91-20-3	Naphthalene	22000	U
106-47-8	4-Chloroaniline	22000	U
87-68-3	Hexachlorobutadiene	22000	U
105-60-2	Caprolactam	22000	U
59-50-7	4-Chloro-3-methylphenol	22000	U
91-57-6	2-Methylnaphthalene	22000	U
77-47-4	Hexachlorocyclopentadiene	22000	U
88-06-2	2,4,6-Trichlorophenol	22000	U
95-95-4	2,4,5-Trichlorophenol	22000	U
92-52-4	1,1-Biphenyl	22000	U
91-58-7	2-Chloronaphthalene	22000	U
88-74-4	2-Nitroaniline	22000	U
131-11-3	Dimethylphthalate	22000	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-09Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062533.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 25 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	22000	U
606-20-2	2,6-Dinitrotoluene	22000	U
99-09-2	3-Nitroaniline	22000	U
83-32-9	Acenaphthene	22000	U
51-28-5	2,4-Dinitrophenol	22000	U
100-02-7	4-Nitrophenol	22000	U
132-64-9	Dibenzofuran	22000	U
121-14-2	2,4-Dinitrotoluene	22000	U
84-66-2	Diethylphthalate	22000	U
7005-72-3	4-Chlorophenyl-phenylether	22000	U
86-73-7	Fluorene	22000	U
100-01-6	4-Nitroaniline	22000	U
534-52-1	4,6-Dinitro-2-methylphenol	22000	U
86-30-6	N-Nitrosodiphenylamine	22000	U
101-55-3	4-Bromophenyl-phenylether	22000	U
118-74-1	Hexachlorobenzene	22000	U
1912-24-9	Atrazine	22000	U
87-86-5	Pentachlorophenol	22000	U
85-01-8	Phenanthrene	22000	U
120-12-7	Anthracene	22000	U
86-74-8	Carbazole	22000	U
84-74-2	Di-n-butylphthalate	22000	U
206-44-0	Fluoranthene	22000	U
129-00-0	Pyrene	22000	U
85-68-7	Butylbenzylphthalate	22000	U
91-94-1	3,3-Dichlorobenzidine	22000	U
56-55-3	Benzo(a)anthracene	22000	U
218-01-9	Chrysene	22000	U
117-81-7	bis(2-Ethylhexyl)phthalate	22000	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-09Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062533.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 25 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	22000	U
205-99-2	Benzo(b)fluoranthene	22000	U
207-08-9	Benzo(k)fluoranthene	22000	U
50-32-8	Benzo(a)pyrene	22000	U
193-39-5	Indeno(1,2,3-cd)pyrene	22000	U
53-70-3	Dibenz(a,h)anthracene	22000	U
191-24-2	Benzo(g,h,i)perylene	22000	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-09

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062533.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	16000	AB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-09RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063029.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 25 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	440	U	
108-95-2	Phenol	440	U	
111-44-4	bis(2-Chloroethyl)ether	440	U	
95-57-8	2-Chlorophenol	440	U	
95-48-7	2-Methylphenol	440	U	
108-60-1	2,2-oxybis(1-Chloropropane)	440	U	
98-86-2	Acetophenone	440	U	
65794-96-9	3+4-Methylphenols	440	U	
621-64-7	N-Nitroso-di-n-propylamine	440	U	
67-72-1	Hexachloroethane	440	U	
98-95-3	Nitrobenzene	440	U	
78-59-1	Isophorone	440	U	
88-75-5	2-Nitrophenol	440	U	
105-67-9	2,4-Dimethylphenol	440	U	
111-91-1	bis(2-Chloroethoxy)methane	440	U	
120-83-2	2,4-Dichlorophenol	440	U	
91-20-3	Naphthalene	440	U	
106-47-8	4-Chloroaniline	440	U	
87-68-3	Hexachlorobutadiene	440	U	
105-60-2	Caprolactam	440	U	
59-50-7	4-Chloro-3-methylphenol	440	U	
91-57-6	2-Methylnaphthalene	440	U	
77-47-4	Hexachlorocyclopentadiene	440	U	
88-06-2	2,4,6-Trichlorophenol	440	U	
95-95-4	2,4,5-Trichlorophenol	440	U	
92-52-4	1,1-Biphenyl	440	U	
91-58-7	2-Chloronaphthalene	440	U	
88-74-4	2-Nitroaniline	440	U	
131-11-3	Dimethylphthalate	190	JB	
208-96-8	Acenaphthylene	440	U	
606-20-2	2,6-Dinitrotoluene	440	U	
99-09-2	3-Nitroaniline	440	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-09RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063029.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 25 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	440	U	
51-28-5	2,4-Dinitrophenol	440	U	
100-02-7	4-Nitrophenol	440	U	
132-64-9	Dibenzofuran	440	U	
121-14-2	2,4-Dinitrotoluene	440	U	
84-66-2	Diethylphthalate	440	U	
7005-72-3	4-Chlorophenyl-phenylether	440	U	
86-73-7	Fluorene	440	U	
100-01-6	4-Nitroaniline	440	U	
534-52-1	4,6-Dinitro-2-methylphenol	440	U	
86-30-6	N-Nitrosodiphenylamine	440	U	
101-55-3	4-Bromophenyl-phenylether	440	U	
118-74-1	Hexachlorobenzene	440	U	
1912-24-9	Atrazine	440	U	
87-86-5	Pentachlorophenol	440	U	
85-01-8	Phenanthrene	440	U	
120-12-7	Anthracene	440	U	
86-74-8	Carbazole	440	U	
84-74-2	Di-n-butylphthalate	440	U	
206-44-0	Fluoranthene	120	J	
129-00-0	Pyrene	440	U	
85-68-7	Butylbenzylphthalate	440	U	
91-94-1	3,3-Dichlorobenzidine	440	U	
56-55-3	Benzo(a)anthracene	440	U	
218-01-9	Chrysene	130	J	
117-81-7	bis(2-Ethylhexyl)phthalate	440	U	
117-84-0	Di-n-octyl phthalate	440	U	
205-99-2	Benzo(b)fluoranthene	140	J	
207-08-9	Benzo(k)fluoranthene	440	U	
50-32-8	Benzo(a)pyrene	440	U	
193-39-5	Indeno(1,2,3-cd)pyrene	440	U	
53-70-3	Dibenz(a,h)anthracene	440	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-09RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063029.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 25 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	160	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-7(0-2)RE

Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL

Lab Sample ID: B1546-09RE

Sample wt/vol: 30.00 (g/mL) g

Lab File ID: BE063029.D

Level (low/med): LOW

Date Received: 3/9/2010

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 3/31/2010

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 4/2/2010

Injection Volume: 1.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: N/A

Number TICS found: 10

Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	unknown2.42	2.42	270	J
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.22	1200	AB
20071-09-4	Benzene, 1,1-(1,2-cyclobutanediyl	9.07	340	J
	unknown12.29	12.29	660	J
	unknown12.68	12.68	590	J
	unknown12.73	12.73	990	J
	unknown12.76	12.76	320	J
7604-82-2	17.beta.-(Trimethylsiloxy)-5.alpha	12.80	440	J
74299-04-0	19-Norpregna-1,3,5,7,9-pentaen-21-	13.14	200	J
630-02-4	Octacosane	14.03	550	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-10

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062527.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 7 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	1100	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-10

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062527.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 7 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-10Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062527.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 7 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-10

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062527.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 7 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	unknown1.94	1.94	830	J
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	11000	AB
544-63-8	Tetradecanoic acid	9.17	1200	J
16134-40-0	3.alpha.-(Trimethylsiloxy)cholest-	12.6	970	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-10RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063028.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 7 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
65794-96-9	3+4-Methylphenols	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	350	U
92-52-4	1,1-Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	350	U
131-11-3	Dimethylphthalate	330	JB
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	350	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-10RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063028.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 7 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	350	U	
51-28-5	2,4-Dinitrophenol	350	U	
100-02-7	4-Nitrophenol	350	U	
132-64-9	Dibenzofuran	350	U	
121-14-2	2,4-Dinitrotoluene	350	U	
84-66-2	Diethylphthalate	350	U	
7005-72-3	4-Chlorophenyl-phenylether	350	U	
86-73-7	Fluorene	350	U	
100-01-6	4-Nitroaniline	350	U	
534-52-1	4,6-Dinitro-2-methylphenol	350	U	
86-30-6	N-Nitrosodiphenylamine	350	U	
101-55-3	4-Bromophenyl-phenylether	350	U	
118-74-1	Hexachlorobenzene	350	U	
1912-24-9	Atrazine	350	U	
87-86-5	Pentachlorophenol	350	U	
85-01-8	Phenanthrene	350	U	
120-12-7	Anthracene	350	U	
86-74-8	Carbazole	350	U	
84-74-2	Di-n-butylphthalate	350	U	
206-44-0	Fluoranthene	350	U	
129-00-0	Pyrene	350	U	
85-68-7	Butylbenzylphthalate	350	U	
91-94-1	3,3-Dichlorobenzidine	350	U	
56-55-3	Benzo(a)anthracene	350	U	
218-01-9	Chrysene	350	U	
117-81-7	bis(2-Ethylhexyl)phthalate	350	U	
117-84-0	Di-n-octyl phthalate	350	U	
205-99-2	Benzo(b)fluoranthene	350	U	
207-08-9	Benzo(k)fluoranthene	350	U	
50-32-8	Benzo(a)pyrene	350	U	
193-39-5	Indeno(1,2,3-cd)pyrene	350	U	
53-70-3	Dibenz(a,h)anthracene	350	U	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-10RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063028.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 7 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	350	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-8(0-2)REContract: **PWGR01**Lab Code: **CHEM** Case No.: **B1546** SAS No.: **B1546** SDG No.: **B1546**Matrix (soil/water): **SOIL**Lab Sample ID: **B1546-10RE**Sample wt/vol: **30.00** (g/mL) **g**Lab File ID: **BE063028.D**Level (low/med): **LOW**Date Received: **3/9/2010**% Moisture: **0** decanted: (Y/N) **N**Date Extracted: **3/31/2010**Concentrated Extract Volume: **1000** (uL)Date Analyzed: **4/2/2010**Injection Volume: **1.0**Dilution Factor: **1.0**GPC Cleanup: (Y/N) **Y** pH: **N/A**Number TICS found: **1**Concentration Units: **ug/Kg**

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.22	890	AB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	1200	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	1900	J

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-11Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	860	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	12000	AB
86711-81-1	2- Chloropropionic acid, hexadecyl	12.6	1500	J
54125-39-2	trans-2,3-Epoxydecane	14.37	800	J
112-95-8	Eicosane	15.72	2000	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-11RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063027.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
65794-96-9	3+4-Methylphenols	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	360	U
92-52-4	1,1-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	360	U
131-11-3	Dimethylphthalate	270	JB
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	360	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-11RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063027.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	360	U	
51-28-5	2,4-Dinitrophenol	360	U	
100-02-7	4-Nitrophenol	360	U	
132-64-9	Dibenzofuran	360	U	
121-14-2	2,4-Dinitrotoluene	360	U	
84-66-2	Diethylphthalate	360	U	
7005-72-3	4-Chlorophenyl-phenylether	360	U	
86-73-7	Fluorene	360	U	
100-01-6	4-Nitroaniline	360	U	
534-52-1	4,6-Dinitro-2-methylphenol	360	U	
86-30-6	N-Nitrosodiphenylamine	360	U	
101-55-3	4-Bromophenyl-phenylether	360	U	
118-74-1	Hexachlorobenzene	360	U	
1912-24-9	Atrazine	360	U	
87-86-5	Pentachlorophenol	360	U	
85-01-8	Phenanthrene	360	U	
120-12-7	Anthracene	360	U	
86-74-8	Carbazole	360	U	
84-74-2	Di-n-butylphthalate	360	U	
206-44-0	Fluoranthene	92	J	
129-00-0	Pyrene	360	U	
85-68-7	Butylbenzylphthalate	360	U	
91-94-1	3,3-Dichlorobenzidine	360	U	
56-55-3	Benzo(a)anthracene	360	U	
218-01-9	Chrysene	360	U	
117-81-7	bis(2-Ethylhexyl)phthalate	360	U	
117-84-0	Di-n-octyl phthalate	360	U	
205-99-2	Benzo(b)fluoranthene	360	U	
207-08-9	Benzo(k)fluoranthene	360	U	
50-32-8	Benzo(a)pyrene	360	U	
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	
53-70-3	Dibenz(a,h)anthracene	360	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-11RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063027.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	360	U

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**SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS**

CLIENT SAMPLE NO.

SS-9(0-2)REContract: **PWGR01**Lab Code: **CHEM** Case No.: **B1546** SAS No.: **B1546** SDG No.: **B1546**Matrix (soil/water): **SOIL**Lab Sample ID: **B1546-11RE**Sample wt/vol: **30.00** (g/mL) **g**Lab File ID: **BE063027.D**Level (low/med): **LOW**Date Received: **3/9/2010**% Moisture: **0** decanted: (Y/N) **N**Date Extracted: **3/31/2010**Concentrated Extract Volume: **1000** (uL)Date Analyzed: **4/1/2010**Injection Volume: **1.0**Dilution Factor: **1.0**GPC Cleanup: (Y/N) **Y** pH: **N/A**Number TICS found: **3**Concentration Units: **ug/Kg**

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.22	940	AB
593-45-3	Octadecane	14.02	240	J
630-04-6	Hentriacontane	15.22	720	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-12

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062529.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	4400	U
108-95-2	Phenol	4400	U
111-44-4	bis(2-Chloroethyl)ether	4400	U
95-57-8	2-Chlorophenol	4400	U
95-48-7	2-Methylphenol	4400	U
108-60-1	2,2-oxybis(1-Chloropropane)	4400	U
98-86-2	Acetophenone	4400	U
65794-96-9	3+4-Methylphenols	4400	U
621-64-7	N-Nitroso-di-n-propylamine	4400	U
67-72-1	Hexachloroethane	4400	U
98-95-3	Nitrobenzene	4400	U
78-59-1	Isophorone	4400	U
88-75-5	2-Nitrophenol	4400	U
105-67-9	2,4-Dimethylphenol	4400	U
111-91-1	bis(2-Chloroethoxy)methane	4400	U
120-83-2	2,4-Dichlorophenol	4400	U
91-20-3	Naphthalene	4400	U
106-47-8	4-Chloroaniline	4400	U
87-68-3	Hexachlorobutadiene	4400	U
105-60-2	Caprolactam	4400	U
59-50-7	4-Chloro-3-methylphenol	4400	U
91-57-6	2-Methylnaphthalene	4400	U
77-47-4	Hexachlorocyclopentadiene	4400	U
88-06-2	2,4,6-Trichlorophenol	4400	U
95-95-4	2,4,5-Trichlorophenol	4400	U
92-52-4	1,1-Biphenyl	4400	U
91-58-7	2-Chloronaphthalene	4400	U
88-74-4	2-Nitroaniline	4400	U
131-11-3	Dimethylphthalate	1200	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-12

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062529.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	4400	U
606-20-2	2,6-Dinitrotoluene	4400	U
99-09-2	3-Nitroaniline	4400	U
83-32-9	Acenaphthene	4400	U
51-28-5	2,4-Dinitrophenol	4400	U
100-02-7	4-Nitrophenol	4400	U
132-64-9	Dibenzofuran	4400	U
121-14-2	2,4-Dinitrotoluene	4400	U
84-66-2	Diethylphthalate	4400	U
7005-72-3	4-Chlorophenyl-phenylether	4400	U
86-73-7	Fluorene	4400	U
100-01-6	4-Nitroaniline	4400	U
534-52-1	4,6-Dinitro-2-methylphenol	4400	U
86-30-6	N-Nitrosodiphenylamine	4400	U
101-55-3	4-Bromophenyl-phenylether	4400	U
118-74-1	Hexachlorobenzene	4400	U
1912-24-9	Atrazine	4400	U
87-86-5	Pentachlorophenol	4400	U
85-01-8	Phenanthrene	4400	U
120-12-7	Anthracene	4400	U
86-74-8	Carbazole	4400	U
84-74-2	Di-n-butylphthalate	4400	U
206-44-0	Fluoranthene	4400	U
129-00-0	Pyrene	4400	U
85-68-7	Butylbenzylphthalate	4400	U
91-94-1	3,3-Dichlorobenzidine	4400	U
56-55-3	Benzo(a)anthracene	4400	U
218-01-9	Chrysene	4400	U
117-81-7	bis(2-Ethylhexyl)phthalate	4400	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-12Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062529.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 27 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	4400	U
205-99-2	Benzo(b)fluoranthene	4400	U
207-08-9	Benzo(k)fluoranthene	4400	U
50-32-8	Benzo(a)pyrene	4400	U
193-39-5	Indeno(1,2,3-cd)pyrene	4400	U
53-70-3	Dibenz(a,h)anthracene	4400	U
191-24-2	Benzo(g,h,i)perylene	4400	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-12

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062529.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	1100	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	12000	AB
18835-33-1	1-Hexacosene	12.61	1200	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-12RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062998.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 27 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	450	U	
108-95-2	Phenol	450	U	
111-44-4	bis(2-Chloroethyl)ether	450	U	
95-57-8	2-Chlorophenol	450	U	
95-48-7	2-Methylphenol	450	U	
108-60-1	2,2-oxybis(1-Chloropropane)	450	U	
98-86-2	Acetophenone	450	U	
65794-96-9	3+4-Methylphenols	450	U	
621-64-7	N-Nitroso-di-n-propylamine	450	U	
67-72-1	Hexachloroethane	450	U	
98-95-3	Nitrobenzene	450	U	
78-59-1	Isophorone	450	U	
88-75-5	2-Nitrophenol	450	U	
105-67-9	2,4-Dimethylphenol	450	U	
111-91-1	bis(2-Chloroethoxy)methane	450	U	
120-83-2	2,4-Dichlorophenol	450	U	
91-20-3	Naphthalene	450	U	
106-47-8	4-Chloroaniline	450	U	
87-68-3	Hexachlorobutadiene	450	U	
105-60-2	Caprolactam	450	U	
59-50-7	4-Chloro-3-methylphenol	450	U	
91-57-6	2-Methylnaphthalene	450	U	
77-47-4	Hexachlorocyclopentadiene	450	U	
88-06-2	2,4,6-Trichlorophenol	450	U	
95-95-4	2,4,5-Trichlorophenol	450	U	
92-52-4	1,1-Biphenyl	450	U	
91-58-7	2-Chloronaphthalene	450	U	
88-74-4	2-Nitroaniline	450	U	
131-11-3	Dimethylphthalate	400	JB	
208-96-8	Acenaphthylene	450	U	
606-20-2	2,6-Dinitrotoluene	450	U	
99-09-2	3-Nitroaniline	450	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-12RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062998.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 27 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	450	U	
51-28-5	2,4-Dinitrophenol	450	U	
100-02-7	4-Nitrophenol	450	U	
132-64-9	Dibenzofuran	450	U	
121-14-2	2,4-Dinitrotoluene	450	U	
84-66-2	Diethylphthalate	450	U	
7005-72-3	4-Chlorophenyl-phenylether	450	U	
86-73-7	Fluorene	450	U	
100-01-6	4-Nitroaniline	450	U	
534-52-1	4,6-Dinitro-2-methylphenol	450	U	
86-30-6	N-Nitrosodiphenylamine	450	U	
101-55-3	4-Bromophenyl-phenylether	450	U	
118-74-1	Hexachlorobenzene	450	U	
1912-24-9	Atrazine	450	U	
87-86-5	Pentachlorophenol	100	J	
85-01-8	Phenanthrene	450	U	
120-12-7	Anthracene	450	U	
86-74-8	Carbazole	450	U	
84-74-2	Di-n-butylphthalate	450	U	
206-44-0	Fluoranthene	82	J	
129-00-0	Pyrene	75	J	
85-68-7	Butylbenzylphthalate	450	U	
91-94-1	3,3-Dichlorobenzidine	450	U	
56-55-3	Benzo(a)anthracene	450	U	
218-01-9	Chrysene	59	J	
117-81-7	bis(2-Ethylhexyl)phthalate	910		
117-84-0	Di-n-octyl phthalate	450	U	
205-99-2	Benzo(b)fluoranthene	58	J	
207-08-9	Benzo(k)fluoranthene	450	U	
50-32-8	Benzo(a)pyrene	450	U	
193-39-5	Indeno(1,2,3-cd)pyrene	450	U	
53-70-3	Dibenz(a,h)anthracene	450	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-12RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062998.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 27 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	450	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-10(0-2)RE

Contract: **PWGR01**

Lab Code: **CHEM** Case No.: **B1546** SAS No.: **B1546** SDG No.: **B1546**

Matrix (soil/water): **SOIL**

Lab Sample ID: **B1546-12RE**

Sample wt/vol: **30.00** (g/mL) **g**

Lab File ID: **BE062998.D**

Level (low/med): **LOW**

Date Received: **3/9/2010**

% Moisture: **0** decanted: (Y/N) **N**

Date Extracted: **3/31/2010**

Concentrated Extract Volume: **1000** (uL)

Date Analyzed: **4/1/2010**

Injection Volume: **1.0**

Dilution Factor: **1.0**

GPC Cleanup: (Y/N) **N** pH: **N/A**

Number TICS found: **16**

Concentration Units: **ug/Kg**

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.24	980	AB
488-97-1	Tricyclo[2.2.1.0(2,6)]heptane, 1,3	4.16	130	J
57-10-3	n-Hexadecanoic acid	10.00	300	J
577-92-4	[1,1-Biphenyl]-2-ol, 5-(1,1-dimet	10.53	260	J
	unknown10.88	10.88	130	J
57-11-4	Octadecanoic acid	10.95	210	J
35599-77-0	Tridecane, 1-iodo-	11.57	180	J
	unknown11.81	11.81	210	J
2136-70-1	Ethanol, 2-(tetradecyloxy)-	12.39	820	J
88104-31-8	2- Chloropropionic acid, octadecyl	13.17	1200	J
74962-98-4	2-Tridecen-1-ol, (E)-	13.76	1000	J
629-97-0	Docosane	14.04	430	J
7390-81-0	Oxirane, hexadecyl-	14.88	1300	J
629-97-0	Docosane	15.25	460	J
	unknown15.32	15.32	990	J
83-46-5	.beta.-Sitosterol	17.50	960	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-13

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062598.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 33 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	24000	U
108-95-2	Phenol	24000	U
111-44-4	bis(2-Chloroethyl)ether	24000	U
95-57-8	2-Chlorophenol	24000	U
95-48-7	2-Methylphenol	24000	U
108-60-1	2,2-oxybis(1-Chloropropane)	24000	U
98-86-2	Acetophenone	24000	U
65794-96-9	3+4-Methylphenols	24000	U
621-64-7	N-Nitroso-di-n-propylamine	24000	U
67-72-1	Hexachloroethane	24000	U
98-95-3	Nitrobenzene	24000	U
78-59-1	Isophorone	24000	U
88-75-5	2-Nitrophenol	24000	U
105-67-9	2,4-Dimethylphenol	24000	U
111-91-1	bis(2-Chloroethoxy)methane	24000	U
120-83-2	2,4-Dichlorophenol	24000	U
91-20-3	Naphthalene	24000	U
106-47-8	4-Chloroaniline	24000	U
87-68-3	Hexachlorobutadiene	24000	U
105-60-2	Caprolactam	24000	U
59-50-7	4-Chloro-3-methylphenol	24000	U
91-57-6	2-Methylnaphthalene	24000	U
77-47-4	Hexachlorocyclopentadiene	24000	U
88-06-2	2,4,6-Trichlorophenol	24000	U
95-95-4	2,4,5-Trichlorophenol	24000	U
92-52-4	1,1-Biphenyl	24000	U
91-58-7	2-Chloronaphthalene	24000	U
88-74-4	2-Nitroaniline	24000	U
131-11-3	Dimethylphthalate	24000	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-13Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062598.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 33 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	24000	U
606-20-2	2,6-Dinitrotoluene	24000	U
99-09-2	3-Nitroaniline	24000	U
83-32-9	Acenaphthene	24000	U
51-28-5	2,4-Dinitrophenol	24000	U
100-02-7	4-Nitrophenol	24000	U
132-64-9	Dibenzofuran	24000	U
121-14-2	2,4-Dinitrotoluene	24000	U
84-66-2	Diethylphthalate	24000	U
7005-72-3	4-Chlorophenyl-phenylether	24000	U
86-73-7	Fluorene	24000	U
100-01-6	4-Nitroaniline	24000	U
534-52-1	4,6-Dinitro-2-methylphenol	24000	U
86-30-6	N-Nitrosodiphenylamine	24000	U
101-55-3	4-Bromophenyl-phenylether	24000	U
118-74-1	Hexachlorobenzene	24000	U
1912-24-9	Atrazine	24000	U
87-86-5	Pentachlorophenol	24000	U
85-01-8	Phenanthrene	24000	U
120-12-7	Anthracene	24000	U
86-74-8	Carbazole	24000	U
84-74-2	Di-n-butylphthalate	24000	U
206-44-0	Fluoranthene	24000	U
129-00-0	Pyrene	24000	U
85-68-7	Butylbenzylphthalate	24000	U
91-94-1	3,3-Dichlorobenzidine	24000	U
56-55-3	Benzo(a)anthracene	24000	U
218-01-9	Chrysene	24000	U
117-81-7	bis(2-Ethylhexyl)phthalate	24000	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-13Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062598.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 33 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	24000	U
205-99-2	Benzo(b)fluoranthene	24000	U
207-08-9	Benzo(k)fluoranthene	24000	U
50-32-8	Benzo(a)pyrene	24000	U
193-39-5	Indeno(1,2,3-cd)pyrene	24000	U
53-70-3	Dibenz(a,h)anthracene	24000	U
191-24-2	Benzo(g,h,i)perylene	24000	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-13

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062598.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 33 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	16000	JB
111-06-8	Hexadecanoic acid, butyl ester	11.26	7400	J
123-95-5	Octadecanoic acid, butyl ester	12.13	5700	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-13RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063031.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 33 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	490	U	
108-95-2	Phenol	490	U	
111-44-4	bis(2-Chloroethyl)ether	490	U	
95-57-8	2-Chlorophenol	490	U	
95-48-7	2-Methylphenol	490	U	
108-60-1	2,2-oxybis(1-Chloropropane)	490	U	
98-86-2	Acetophenone	150	J	
65794-96-9	3+4-Methylphenols	490	U	
621-64-7	N-Nitroso-di-n-propylamine	490	U	
67-72-1	Hexachloroethane	490	U	
98-95-3	Nitrobenzene	490	U	
78-59-1	Isophorone	490	U	
88-75-5	2-Nitrophenol	490	U	
105-67-9	2,4-Dimethylphenol	490	U	
111-91-1	bis(2-Chloroethoxy)methane	490	U	
120-83-2	2,4-Dichlorophenol	490	U	
91-20-3	Naphthalene	490	U	
106-47-8	4-Chloroaniline	490	U	
87-68-3	Hexachlorobutadiene	490	U	
105-60-2	Caprolactam	490	U	
59-50-7	4-Chloro-3-methylphenol	490	U	
91-57-6	2-Methylnaphthalene	490	U	
77-47-4	Hexachlorocyclopentadiene	490	U	
88-06-2	2,4,6-Trichlorophenol	490	U	
95-95-4	2,4,5-Trichlorophenol	490	U	
92-52-4	1,1-Biphenyl	490	U	
91-58-7	2-Chloronaphthalene	490	U	
88-74-4	2-Nitroaniline	490	U	
131-11-3	Dimethylphthalate	460	JB	
208-96-8	Acenaphthylene	490	U	
606-20-2	2,6-Dinitrotoluene	490	U	
99-09-2	3-Nitroaniline	490	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-13RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063031.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 33 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	490	U	
51-28-5	2,4-Dinitrophenol	490	U	
100-02-7	4-Nitrophenol	490	U	
132-64-9	Dibenzofuran	490	U	
121-14-2	2,4-Dinitrotoluene	490	U	
84-66-2	Diethylphthalate	490	U	
7005-72-3	4-Chlorophenyl-phenylether	490	U	
86-73-7	Fluorene	490	U	
100-01-6	4-Nitroaniline	490	U	
534-52-1	4,6-Dinitro-2-methylphenol	490	U	
86-30-6	N-Nitrosodiphenylamine	490	U	
101-55-3	4-Bromophenyl-phenylether	490	U	
118-74-1	Hexachlorobenzene	490	U	
1912-24-9	Atrazine	490	U	
87-86-5	Pentachlorophenol	490	U	
85-01-8	Phenanthrene	210	J	
120-12-7	Anthracene	490	U	
86-74-8	Carbazole	490	U	
84-74-2	Di-n-butylphthalate	490	U	
206-44-0	Fluoranthene	370	J	
129-00-0	Pyrene	310	J	
85-68-7	Butylbenzylphthalate	490	U	
91-94-1	3,3-Dichlorobenzidine	490	U	
56-55-3	Benzo(a)anthracene	140	J	
218-01-9	Chrysene	250	J	
117-81-7	bis(2-Ethylhexyl)phthalate	860		
117-84-0	Di-n-octyl phthalate	490	U	
205-99-2	Benzo(b)fluoranthene	240	J	
207-08-9	Benzo(k)fluoranthene	490	U	
50-32-8	Benzo(a)pyrene	160	J	
193-39-5	Indeno(1,2,3-cd)pyrene	150	J	
53-70-3	Dibenz(a,h)anthracene	490	U	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-13RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063031.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 33 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/2/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	170	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-11(0-2)RE

Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL

Lab Sample ID: B1546-13RE

Sample wt/vol: 30.00 (g/mL) g

Lab File ID: BE063031.D

Level (low/med): LOW

Date Received: 3/9/2010

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 3/31/2010

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 4/2/2010

Injection Volume: 1.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: N/A

Number TICS found: 6

Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.22	1300	AB
2381-21-7	Pyrene, 1-methyl-	11.56	220	J
4329-12-8	m,p-DDD	11.94	260	J
17367-10-1	Octadecane, 1-[2-(hexadecyloxy)eth	12.38	290	J
	unknown13.16	13.16	830	J
96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)	16.03	810	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-14

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062530.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 44 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	5700	U
108-95-2	Phenol	5700	U
111-44-4	bis(2-Chloroethyl)ether	5700	U
95-57-8	2-Chlorophenol	5700	U
95-48-7	2-Methylphenol	5700	U
108-60-1	2,2-oxybis(1-Chloropropane)	5700	U
98-86-2	Acetophenone	5700	U
65794-96-9	3+4-Methylphenols	5700	U
621-64-7	N-Nitroso-di-n-propylamine	5700	U
67-72-1	Hexachloroethane	5700	U
98-95-3	Nitrobenzene	5700	U
78-59-1	Isophorone	5700	U
88-75-5	2-Nitrophenol	5700	U
105-67-9	2,4-Dimethylphenol	5700	U
111-91-1	bis(2-Chloroethoxy)methane	5700	U
120-83-2	2,4-Dichlorophenol	5700	U
91-20-3	Naphthalene	5700	U
106-47-8	4-Chloroaniline	5700	U
87-68-3	Hexachlorobutadiene	5700	U
105-60-2	Caprolactam	5700	U
59-50-7	4-Chloro-3-methylphenol	5700	U
91-57-6	2-Methylnaphthalene	5700	U
77-47-4	Hexachlorocyclopentadiene	5700	U
88-06-2	2,4,6-Trichlorophenol	5700	U
95-95-4	2,4,5-Trichlorophenol	5700	U
92-52-4	1,1-Biphenyl	5700	U
91-58-7	2-Chloronaphthalene	5700	U
88-74-4	2-Nitroaniline	5700	U
131-11-3	Dimethylphthalate	2700	JB

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-14Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062530.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 44 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	5700	U
606-20-2	2,6-Dinitrotoluene	5700	U
99-09-2	3-Nitroaniline	5700	U
83-32-9	Acenaphthene	5700	U
51-28-5	2,4-Dinitrophenol	5700	U
100-02-7	4-Nitrophenol	5700	U
132-64-9	Dibenzofuran	5700	U
121-14-2	2,4-Dinitrotoluene	5700	U
84-66-2	Diethylphthalate	5700	U
7005-72-3	4-Chlorophenyl-phenylether	5700	U
86-73-7	Fluorene	5700	U
100-01-6	4-Nitroaniline	5700	U
534-52-1	4,6-Dinitro-2-methylphenol	5700	U
86-30-6	N-Nitrosodiphenylamine	5700	U
101-55-3	4-Bromophenyl-phenylether	5700	U
118-74-1	Hexachlorobenzene	5700	U
1912-24-9	Atrazine	5700	U
87-86-5	Pentachlorophenol	5700	U
85-01-8	Phenanthrene	5700	U
120-12-7	Anthracene	5700	U
86-74-8	Carbazole	5700	U
84-74-2	Di-n-butylphthalate	5700	U
206-44-0	Fluoranthene	5700	U
129-00-0	Pyrene	5700	U
85-68-7	Butylbenzylphthalate	5700	U
91-94-1	3,3-Dichlorobenzidine	5700	U
56-55-3	Benzo(a)anthracene	5700	U
218-01-9	Chrysene	5700	U
117-81-7	bis(2-Ethylhexyl)phthalate	830	J

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-14Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062530.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 44 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	5700	U
205-99-2	Benzo(b)fluoranthene	5700	U
207-08-9	Benzo(k)fluoranthene	5700	U
50-32-8	Benzo(a)pyrene	5700	U
193-39-5	Indeno(1,2,3-cd)pyrene	5700	U
53-70-3	Dibenz(a,h)anthracene	5700	U
191-24-2	Benzo(g,h,i)perylene	5700	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-14

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062530.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 44 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 16

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	1300	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	18000	AB
94-59-7	1,3-Benzodioxole, 5-(2-propenyl)-	6.71	2400	J
58-08-2	Caffeine	9.77	18000	J
57-10-3	n-Hexadecanoic acid	10.2	1400	J
1000159-37-3	1,37-Octatriacontadiene	12.35	1300	J
1000131-18-9	Z-14-Nonacosane	12.61	5400	J
638-66-4	Octadecanal	13.15	1500	J
71502-22-2	9-Hexacosene	13.42	12000	J
4429-77-0	Cycloheptadecanol	14.06	2300	J
14739-72-1	Heneicosane, 11-pentyl-	14.37	4400	J
18435-45-5	1-Nonadecene	14.42	2800	J
112-95-8	Eicosane	15.73	2800	J
5337-61-1	2-Octadecyl-propane-1,3-diol	17.11	3000	J
83-46-5	.beta.-Sitosterol	18.26	11000	J
1058-61-3	Stigmast-4-en-3-one	20.01	6000	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-14RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062997.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 44 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/31/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
100-52-7	Benzaldehyde	160	J
108-95-2	Phenol	590	U
111-44-4	bis(2-Chloroethyl)ether	590	U
95-57-8	2-Chlorophenol	590	U
95-48-7	2-Methylphenol	590	U
108-60-1	2,2-oxybis(1-Chloropropane)	590	U
98-86-2	Acetophenone	590	U
65794-96-9	3+4-Methylphenols	590	U
621-64-7	N-Nitroso-di-n-propylamine	590	U
67-72-1	Hexachloroethane	590	U
98-95-3	Nitrobenzene	590	U
78-59-1	Isophorone	590	U
88-75-5	2-Nitrophenol	590	U
105-67-9	2,4-Dimethylphenol	590	U
111-91-1	bis(2-Chloroethoxy)methane	590	U
120-83-2	2,4-Dichlorophenol	590	U
91-20-3	Naphthalene	590	U
106-47-8	4-Chloroaniline	590	U
87-68-3	Hexachlorobutadiene	590	U
105-60-2	Caprolactam	590	U
59-50-7	4-Chloro-3-methylphenol	590	U
91-57-6	2-Methylnaphthalene	590	U
77-47-4	Hexachlorocyclopentadiene	590	U
88-06-2	2,4,6-Trichlorophenol	590	U
95-95-4	2,4,5-Trichlorophenol	590	U
92-52-4	1,1-Biphenyl	590	U
91-58-7	2-Chloronaphthalene	590	U
88-74-4	2-Nitroaniline	590	U
131-11-3	Dimethylphthalate	450	JB
208-96-8	Acenaphthylene	590	U
606-20-2	2,6-Dinitrotoluene	590	U
99-09-2	3-Nitroaniline	590	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-14RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062997.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 44 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/31/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	590	U	
51-28-5	2,4-Dinitrophenol	590	U	
100-02-7	4-Nitrophenol	590	U	
132-64-9	Dibenzofuran	590	U	
121-14-2	2,4-Dinitrotoluene	590	U	
84-66-2	Diethylphthalate	590	U	
7005-72-3	4-Chlorophenyl-phenylether	590	U	
86-73-7	Fluorene	590	U	
100-01-6	4-Nitroaniline	590	U	
534-52-1	4,6-Dinitro-2-methylphenol	590	U	
86-30-6	N-Nitrosodiphenylamine	590	U	
101-55-3	4-Bromophenyl-phenylether	590	U	
118-74-1	Hexachlorobenzene	590	U	
1912-24-9	Atrazine	590	U	
87-86-5	Pentachlorophenol	110	J	
85-01-8	Phenanthrene	130	J	
120-12-7	Anthracene	590	U	
86-74-8	Carbazole	590	U	
84-74-2	Di-n-butylphthalate	590	U	
206-44-0	Fluoranthene	270	J	
129-00-0	Pyrene	240	J	
85-68-7	Butylbenzylphthalate	140	J	
91-94-1	3,3-Dichlorobenzidine	590	U	
56-55-3	Benzo(a)anthracene	110	J	
218-01-9	Chrysene	160	J	
117-81-7	bis(2-Ethylhexyl)phthalate	1700		
117-84-0	Di-n-octyl phthalate	590	U	
205-99-2	Benzo(b)fluoranthene	180	J	
207-08-9	Benzo(k)fluoranthene	76	J	
50-32-8	Benzo(a)pyrene	130	J	
193-39-5	Indeno(1,2,3-cd)pyrene	93	J	
53-70-3	Dibenz(a,h)anthracene	590	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-14RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062997.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 44 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/31/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
191-24-2	Benzo(g, h, i)perylene	110	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-12(0-2)RE

Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL

Lab Sample ID: B1546-14RE

Sample wt/vol: 30.00 (g/mL) g

Lab File ID: BE062997.D

Level (low/med): LOW

Date Received: 3/9/2010

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 3/31/2010

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 3/31/2010

Injection Volume: 1.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: N/A

Number TICS found: 20

Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.24	1400	AB
7785-70-8	1R-.alpha.-Pinene	4.16	1200	J
57-10-3	n-Hexadecanoic acid	10.00	1000	J
57-11-4	Octadecanoic acid	10.96	1100	J
629-78-7	Heptadecane	11.56	490	J
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	11.95	710	J
1740-19-8	1-Phenanthrenecarboxylic acid, 1,2	12.32	720	J
3452-07-1	1-Eicosene	12.39	1700	J
638-66-4	Octadecanal	12.93	520	J
1599-67-3	1-Docosene	13.17	3800	J
124-25-4	Tetradecanal	13.77	1000	J
630-02-4	Octacosane	14.04	2000	J
629-96-9	1-Eicosanol	14.08	1800	J
7735-42-4	1,16-Hexadecanediol	14.88	1400	J
638-67-5	Tricosane	15.25	1100	J
74685-30-6	5-Eicosene, (E)-	15.34	7700	J
629-62-9	Pentadecane	16.99	510	J
83-47-6	.gamma.-Sitosterol	17.53	5700	J
1058-61-3	Stigmast-4-en-3-one	19.13	4400	J
559-74-0	Friedelan-3-one	20.61	3400	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-15

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062531.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	1200	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-15

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062531.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-15Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062531.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-15

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062531.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	800	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	10000	AB
4238-35-1	1,8,15,22-Tetraaza-2,7,16,21-cyclo	12.6	1500	J
55282-14-9	Docosane, 9-butyl-	15.72	980	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-15RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063026.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	360	U	
108-95-2	Phenol	360	U	
111-44-4	bis(2-Chloroethyl)ether	360	U	
95-57-8	2-Chlorophenol	360	U	
95-48-7	2-Methylphenol	360	U	
108-60-1	2,2-oxybis(1-Chloropropane)	360	U	
98-86-2	Acetophenone	360	U	
65794-96-9	3+4-Methylphenols	360	U	
621-64-7	N-Nitroso-di-n-propylamine	360	U	
67-72-1	Hexachloroethane	360	U	
98-95-3	Nitrobenzene	360	U	
78-59-1	Isophorone	360	U	
88-75-5	2-Nitrophenol	360	U	
105-67-9	2,4-Dimethylphenol	360	U	
111-91-1	bis(2-Chloroethoxy)methane	360	U	
120-83-2	2,4-Dichlorophenol	360	U	
91-20-3	Naphthalene	360	U	
106-47-8	4-Chloroaniline	360	U	
87-68-3	Hexachlorobutadiene	360	U	
105-60-2	Caprolactam	360	U	
59-50-7	4-Chloro-3-methylphenol	360	U	
91-57-6	2-Methylnaphthalene	360	U	
77-47-4	Hexachlorocyclopentadiene	360	U	
88-06-2	2,4,6-Trichlorophenol	360	U	
95-95-4	2,4,5-Trichlorophenol	360	U	
92-52-4	1,1-Biphenyl	360	U	
91-58-7	2-Chloronaphthalene	360	U	
88-74-4	2-Nitroaniline	360	U	
131-11-3	Dimethylphthalate	320	JB	
208-96-8	Acenaphthylene	360	U	
606-20-2	2,6-Dinitrotoluene	360	U	
99-09-2	3-Nitroaniline	360	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-15RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063026.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	360	U	
51-28-5	2,4-Dinitrophenol	360	U	
100-02-7	4-Nitrophenol	360	U	
132-64-9	Dibenzofuran	360	U	
121-14-2	2,4-Dinitrotoluene	360	U	
84-66-2	Diethylphthalate	360	U	
7005-72-3	4-Chlorophenyl-phenylether	360	U	
86-73-7	Fluorene	360	U	
100-01-6	4-Nitroaniline	360	U	
534-52-1	4,6-Dinitro-2-methylphenol	360	U	
86-30-6	N-Nitrosodiphenylamine	360	U	
101-55-3	4-Bromophenyl-phenylether	360	U	
118-74-1	Hexachlorobenzene	360	U	
1912-24-9	Atrazine	360	U	
87-86-5	Pentachlorophenol	360	U	
85-01-8	Phenanthrene	360	U	
120-12-7	Anthracene	360	U	
86-74-8	Carbazole	360	U	
84-74-2	Di-n-butylphthalate	360	U	
206-44-0	Fluoranthene	95	J	
129-00-0	Pyrene	360	U	
85-68-7	Butylbenzylphthalate	360	U	
91-94-1	3,3-Dichlorobenzidine	360	U	
56-55-3	Benzo(a)anthracene	360	U	
218-01-9	Chrysene	360	U	
117-81-7	bis(2-Ethylhexyl)phthalate	360	U	
117-84-0	Di-n-octyl phthalate	360	U	
205-99-2	Benzo(b)fluoranthene	91	J	
207-08-9	Benzo(k)fluoranthene	360	U	
50-32-8	Benzo(a)pyrene	360	U	
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	
53-70-3	Dibenz(a,h)anthracene	360	U	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-15RE
Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063026.D
Level: (low/med) LOW Date Received: 3/9/2010
% Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
Injection Volume: 1.0 Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	Q
191-24-2	Benzo(g, h, i)perylene	360	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DUP-01REContract: **PWGR01**Lab Code: **CHEM** Case No.: **B1546** SAS No.: **B1546** SDG No.: **B1546**Matrix (soil/water): **SOIL**Lab Sample ID: **B1546-15RE**Sample wt/vol: **30.00** (g/mL) **g**Lab File ID: **BE063026.D**Level (low/med): **LOW**Date Received: **3/9/2010**% Moisture: **0** decanted: (Y/N) **N**Date Extracted: **3/31/2010**Concentrated Extract Volume: **1000** (uL)Date Analyzed: **4/1/2010**Injection Volume: **1.0**Dilution Factor: **1.0**GPC Cleanup: (Y/N) **Y** pH: **N/A**Number TICS found: **2**Concentration Units: **ug/Kg**

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.23	940	AB
544-76-3	Hexadecane	14.02	230	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): WATER Lab Sample ID: B1546-16

Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062517.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-16Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062517.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/L</u>	Q
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-16Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062517.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

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Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): WATER Lab Sample ID: B1546-16

Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062517.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Concentration Units: ug/L

Number TICS found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.93	6.5	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.41	10	AB

Hit Summary Report

SDG No.: B1546

Order ID:

B1546

Client: P.W. Grosser Consulting

Project ID:

Ronkonkona Wallpaper- Suffolk Cou

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	DUP-01RE							
B1546-15RE	DUP-01RE	SOIL	Dimethylphthalate	320	J	360	9.8	ug/Kg
B1546-15RE	DUP-01RE	SOIL	Fluoranthene	95	J	360	7.3	ug/Kg
B1546-15RE	DUP-01RE	SOIL	Benzo(b)fluoranthene	91	J	360	12	ug/Kg
B1546-15RE	DUP-01RE	SOIL	2-Pentanone, 4-hydroxy-4-met *	940	AB	0	0	ug/Kg
B1546-15RE	DUP-01RE	SOIL	Hexadecane	* 230	J	0	0	ug/Kg
Total SVOC's:				506.00				
Total TIC's:				1170.00				
Total SVOC's and TIC's:				1676.00				
Client ID:	SS-1(0-2)RE							
B1546-01RE	SS-1(0-2)RE	SOIL	Dimethylphthalate	300	J	380	10	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Phenanthrene	230	J	380	10	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Fluoranthene	530		380	7.7	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Pyrene	390		380	9.2	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Benzo(a)anthracene	300	J	380	18	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Chrysene	330	J	380	17	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Benzo(b)fluoranthene	380		380	13	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Benzo(k)fluoranthene	180	J	380	18	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Benzo(a)pyrene	320	J	380	8.3	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Indeno(1,2,3-cd)pyrene	220	J	380	13	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Benzo(g,h,i)perylene	250	J	380	16	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met *	1100	AB	0	0	ug/Kg
B1546-01RE	SS-1(0-2)RE	SOIL	Perylene	* 270	J	0	0	ug/Kg
Total SVOC's:				3430.00				
Total TIC's:				1370.00				
Total SVOC's and TIC's:				4800.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Report

SDG No.: B1546

Order ID:

B1546

Client: P.W. Grosser Consulting

Project ID:

Ronkonkona Wallpaper- Suffolk Cou

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-10(0-2)RE							
B1546-12RE	SS-10(0-2)RE	SOIL	Dimethylphthalate	400	J	450	12	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Pentachlorophenol	100	J	450	31	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Fluoranthene	82	J	450	9.2	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Pyrene	75	J	450	11	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Chrysene	59	J	450	21	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	bis(2-Ethylhexyl)phthalate	910		450	16	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Benzo(b)fluoranthene	58	J	450	15	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met	* 980	AB	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Tricyclo[2.2.1.0(2,6)]heptane,	* 130	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	n-Hexadecanoic acid	* 300	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	[1,1-Biphenyl]-2-ol, 5-(1,1-di	* 260	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	unknown10.88	* 130	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Octadecanoic acid	* 210	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Tridecane, 1-iodo-	* 180	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	unknown11.81	* 210	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Ethanol, 2-(tetradecyloxy)-	* 820	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	2- Chloropropionic acid, octa	* 1200	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	2-Tridecen-1-ol, (E)-	* 1000	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Docosane	* 430	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Oxirane, hexadecyl-	* 1300	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	Docosane	* 460	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	unknown15.32	* 990	J	0	0	ug/Kg
B1546-12RE	SS-10(0-2)RE	SOIL	.beta.-Sitosterol	* 960	J	0	0	ug/Kg
Total SVOC's:				1684.00				
Total TIC's:				9560.00				
Total SVOC's and TIC's:				11244.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Report

SDG No.: B1546

Order ID:

B1546

Client: P.W. Grosser Consulting

Project ID:

Ronkonkona Wallpaper- Suffolk Cou

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-11(0-2)RE							
B1546-13RE	SS-11(0-2)RE	SOIL	Acetophenone	150	J	490	15	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Dimethylphthalate	460	J	490	13	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Phenanthrene	210	J	490	13	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Fluoranthene	370	J	490	10	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Pyrene	310	J	490	12	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Benzo(a)anthracene	140	J	490	24	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Chrysene	250	J	490	23	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	bis(2-Ethylhexyl)phthalate	860		490	18	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Benzo(b)fluoranthene	240	J	490	16	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Benzo(a)pyrene	160	J	490	11	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Indeno(1,2,3-cd)pyrene	150	J	490	17	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Benzo(g,h,i)perylene	170	J	490	20	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met *	1300	AB	0	0	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Pyrene, 1-methyl-	220	J	0	0	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	m,p-DDD	260	J	0	0	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Octadecane, 1-[2-(hexadecylo	290	J	0	0	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	unknown13.16	830	J	0	0	ug/Kg
B1546-13RE	SS-11(0-2)RE	SOIL	Phenol, 2,4-bis(1,1-dimethylet	810	J	0	0	ug/Kg
Total SVOC's:				3470.00				
Total TIC's:				3710.00				
Total SVOC's and TIC's:				7180.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Report

SDG No.: B1546

Order ID: B1546

Client: P.W. Grosser Consulting

Project ID: Ronkonkona Wallpaper- Suffolk Cou

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-12(0-2)RE							
B1546-14RE	SS-12(0-2)RE	SOIL	Benzaldehyde	160	J	590	31	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Dimethylphthalate	450	J	590	16	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Pentachlorophenol	110	J	590	41	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Phenanthrene	130	J	590	16	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Fluoranthene	270	J	590	12	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Pyrene	240	J	590	14	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Butylbenzylphthalate	140	J	590	29	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Benzo(a)anthracene	110	J	590	28	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Chrysene	160	J	590	27	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	bis(2-Ethylhexyl)phthalate	1700		590	21	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Benzo(b)fluoranthene	180	J	590	19	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Benzo(k)fluoranthene	76	J	590	28	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Benzo(a)pyrene	130	J	590	13	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Indeno(1,2,3-cd)pyrene	93	J	590	20	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Benzo(g,h,i)perylene	110	J	590	24	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met	* 1400	AB	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	1R-.alpha.-Pinene	* 1200	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	n-Hexadecanoic acid	* 1000	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Octadecanoic acid	* 1100	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Heptadecane	* 490	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Hexanedioic acid, bis(2-ethy	* 710	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	1-Phenanthrenecarboxylic aci	* 720	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	1-Eicosene	* 1700	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Octadecanal	* 520	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	1-Docosene	* 3800	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Tetradecanal	* 1000	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Octacosane	* 2000	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	1-Eicosanol	* 1800	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	1,16-Hexadecanediol	* 1400	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Tricosane	* 1100	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	5-Eicosene, (E)-	* 7700	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Pentadecane	* 510	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	.gamma.-Sitosterol	* 5700	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Stigmast-4-en-3-one	* 4400	J	0	0	ug/Kg
B1546-14RE	SS-12(0-2)RE	SOIL	Friedelan-3-one	* 3400	J	0	0	ug/Kg
Total SVOC's:				4059.00				
Total TIC's:				41650.00				
Total SVOC's and TIC's:				45709.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Report

SDG No.:	B1546	Order ID:	B1546
Client:	P.W. Grosser Consulting	Project ID:	Ronkonkona Wallpaper- Suffolk Cou
Test:	SVOC-TCL BNA -20		

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-2(0-2)RE							
B1546-02RE	SS-2(0-2)RE	SOIL	Dimethylphthalate	240	J	360	9.8	ug/Kg
B1546-02RE	SS-2(0-2)RE	SOIL	bis(2-Ethylhexyl)phthalate	290	J	360	13	ug/Kg
B1546-02RE	SS-2(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met *	830	AB	0	0	ug/Kg
B1546-02RE	SS-2(0-2)RE	SOIL	Benzoic acid, 2-ethylhexyl es *	93	J	0	0	ug/Kg
B1546-02RE	SS-2(0-2)RE	SOIL	Tetradecanoic acid	180	J	0	0	ug/Kg
B1546-02RE	SS-2(0-2)RE	SOIL	1-Octadecene	140	J	0	0	ug/Kg
B1546-02RE	SS-2(0-2)RE	SOIL	Octadecanoic acid	80	J	0	0	ug/Kg
B1546-02RE	SS-2(0-2)RE	SOIL	Heptadecanoic acid, heptadec *	78	J	0	0	ug/Kg
B1546-02RE	SS-2(0-2)RE	SOIL	Cyclotetracosane	280	J	0	0	ug/Kg
B1546-02RE	SS-2(0-2)RE	SOIL	1-Nonadecene	110	J	0	0	ug/Kg
Total SVOC's:				530.00				
Total TIC's:				1791.00				
Total SVOC's and TIC's:				2321.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Report

SDG No.: B1546

Order ID:

B1546

Client: P.W. Grosser Consulting

Project ID:

Ronkonkona Wallpaper- Suffolk Cou

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-3(0-2)RE							
B1546-03RE	SS-3(0-2)RE	SOIL	Benzaldehyde	130	J	370	20	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	Dimethylphthalate	240	J	370	10	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	Diethylphthalate	50	J	370	5.8	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	bis(2-Ethylhexyl)phthalate	990		370	13	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met	* 1000	AB	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	.alpha.-Pinene	* 310	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	n-Hexadecanoic acid	* 330	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	1-Nonadecene	* 400	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	unknown12.30	* 780	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	1-Eicosene	* 620	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	unknown12.69	* 470	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	(2,3-Diphenylcyclopropyl)met	* 730	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	1H-Indole, 2-methyl-3-phenyl	* 280	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	1-Docosene	* 1000	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	Hexacosane	* 570	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	Cyclotetradecane	* 400	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	13-Docosene-1-ol, (Z)-	* 280	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	Heptadecane, 9-octyl-	* 370	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	5-Eicosene, (E)-	* 1400	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	1-Zirconacyclopenta-2,4-dien	* 780	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	.beta.-Sitosterol	* 1000	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	3,5-Cyclohexadiene-1,2-dione	* 370	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	3-Cyclohexene-1-carboxaldeh	* 560	J	0	0	ug/Kg
B1546-03RE	SS-3(0-2)RE	SOIL	Neopentylidenecyclohexane	* 890	J	0	0	ug/Kg
Total SVOC's:				1410.00				
Total TIC's:				12540.00				
Total SVOC's and TIC's:				13950.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Report

SDG No.: B1546

Order ID:

B1546

Client: P.W. Grosser Consulting

Project ID:

Ronkonkona Wallpaper- Suffolk Cou

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-4(0-2)RE							
B1546-06RE	SS-4(0-2)RE	SOIL	Acetophenone	120	J	380	12	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Dimethylphthalate	200	J	380	10	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Acenaphthylene	230	J	380	9.8	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Phenanthrene	370	J	380	10	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Anthracene	140	J	380	7.9	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Fluoranthene	1700		380	7.8	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Pyrene	1200		380	9.3	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Benzo(a)anthracene	1100		380	18	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Chrysene	1100		380	18	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Benzo(b)fluoranthene	1300		380	13	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Benzo(k)fluoranthene	490		380	18	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Benzo(a)pyrene	940		380	8.4	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Indeno(1,2,3-cd)pyrene	560		380	13	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Dibenz(a,h)anthracene	190	J	380	11	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Benzo(g,h,i)perylene	640		380	16	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	unknown2.42	* 160	J	0	0	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	2-Propanol, 1-(1,3-dimethylbu	* 160	J	0	0	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met	* 1100	AB	0	0	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Anthracene, 1-methyl-	* 160	J	0	0	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	4H-Cyclopenta[def]phenanthr	* 210	J	0	0	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Benzene, 1,1-(1,3-butadiyne-	* 240	J	0	0	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Pyrene, 2-methyl-	* 160	J	0	0	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	11H-Benzo[a]fluorene	* 160	J	0	0	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Benzo[j]fluoranthene	* 330	J	0	0	ug/Kg
B1546-06RE	SS-4(0-2)RE	SOIL	Perylene	* 730	J	0	0	ug/Kg

Total SVOC's: 10280.00

Total TIC's: 3410.00

Total SVOC's and TIC's: 13690.00

Client ID: SS-5(0-2)RE

B1546-07RE	SS-5(0-2)RE	SOIL	Dimethylphthalate	220	J	360	9.8	ug/Kg
B1546-07RE	SS-5(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met	* 990	AB	0	0	ug/Kg
B1546-07RE	SS-5(0-2)RE	SOIL	Cycloeicosane	* 260	J	0	0	ug/Kg
B1546-07RE	SS-5(0-2)RE	SOIL	17-Pentatriacontene	* 220	J	0	0	ug/Kg

Total SVOC's: 220.00

Total TIC's: 1470.00

Total SVOC's and TIC's: 1690.00

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Report

SDG No.: B1546

Order ID: B1546

Client: P.W. Grosser Consulting

Project ID: Ronkonkona Wallpaper- Suffolk Cou

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-6(0-2)RE							
B1546-08RE	SS-6(0-2)RE	SOIL	Dimethylphthalate	250	J	370	10	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	Phenanthrene	66	J	370	10	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	Fluoranthene	150	J	370	7.4	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	Pyrene	130	J	370	8.9	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	Benzo(a)anthracene	78	J	370	18	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	Chrysene	87	J	370	17	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	Benzo(b)fluoranthene	120	J	370	12	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	Benzo(k)fluoranthene	48	J	370	17	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	Benzo(a)pyrene	91	J	370	8.0	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	Indeno(1,2,3-cd)pyrene	63	J	370	12	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	Benzo(g,h,i)perylene	82	J	370	15	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met	* 1100	AB	0	0	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	n-Hexadecanoic acid	* 150	J	0	0	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	unknown10.90	* 74	J	0	0	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	1-Hexacosene	* 240	J	0	0	ug/Kg
B1546-08RE	SS-6(0-2)RE	SOIL	unknown13.17	* 84	J	0	0	ug/Kg

Total SVOC's: 1165.00

Total TIC's: 1648.00

Total SVOC's and TIC's: 2813.00

Client ID: SS-7(0-2)RE

B1546-09RE	SS-7(0-2)RE	SOIL	Dimethylphthalate	190	J	440	12	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	Fluoranthene	120	J	440	8.9	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	Chrysene	130	J	440	20	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	Benzo(b)fluoranthene	140	J	440	15	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	Benzo(g,h,i)perylene	160	J	440	18	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	unknown2.42	* 270	J	0	0	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met	* 1200	AB	0	0	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	Benzene, 1,1-(1,2-cyclobutan	* 340	J	0	0	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	unknown12.29	* 660	J	0	0	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	unknown12.68	* 590	J	0	0	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	unknown12.73	* 990	J	0	0	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	unknown12.76	* 320	J	0	0	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	17.beta.-(Trimethylsiloxy)-5.a	* 440	J	0	0	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	19-Norpregna-1,3,5,7,9-penta	* 200	J	0	0	ug/Kg
B1546-09RE	SS-7(0-2)RE	SOIL	Octacosane	* 550	J	0	0	ug/Kg

Total SVOC's: 740.00

Total TIC's: 5560.00

Total SVOC's and TIC's: 6300.00

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Report

SDG No.:	B1546	Order ID:	B1546
Client:	P.W. Grosser Consulting	Project ID:	Ronkonkona Wallpaper- Suffolk Cou
Test:	SVOC-TCL BNA -20		

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-8(0-2)RE							
B1546-10RE	SS-8(0-2)RE	SOIL	Dimethylphthalate	330	J	350	9.7	ug/Kg
B1546-10RE	SS-8(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met	* 890	AB	0	0	ug/Kg
			Total SVOC's:	330.00				
			Total TIC's:	890.00				
			Total SVOC's and TIC's:	1220.00				
Client ID:	SS-9(0-2)RE							
B1546-11RE	SS-9(0-2)RE	SOIL	Dimethylphthalate	270	J	360	9.8	ug/Kg
B1546-11RE	SS-9(0-2)RE	SOIL	Fluoranthene	92	J	360	7.3	ug/Kg
B1546-11RE	SS-9(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met	* 940	AB	0	0	ug/Kg
B1546-11RE	SS-9(0-2)RE	SOIL	Octadecane	* 240	J	0	0	ug/Kg
B1546-11RE	SS-9(0-2)RE	SOIL	Hentriacontane	* 720	J	0	0	ug/Kg
			Total SVOC's:	362.00				
			Total TIC's:	1900.00				
			Total SVOC's and TIC's:	2262.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Sheet

SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
Client ID : DUP-01									
B1546-15	DUP-01	SOIL	Dimethylphthalate		1,200.000	JB	3500	95	ug/Kg
Total Svoc :					1,200.00				
B1546-15	DUP-01	SOIL	Docosane, 9-butyl-	*	980.000	J	0	0	ug/Kg
B1546-15	DUP-01	SOIL	1,8,15,22-Tetraaza-2,7,16,21-cyclo	*	1,500.000	J	0	0	ug/Kg
B1546-15	DUP-01	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	10,000.000	AB	0	0	ug/Kg
B1546-15	DUP-01	SOIL	Butane, 2-methoxy-2-methyl-	*	800.000	JB	0	0	ug/Kg
Total Tics :					13,280.00				
Total Concentration:					14,480.00				
Client ID : FIELDBLANK									
B1546-16	FIELDBLANK	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	10.000	AB	0	0	ug/L
B1546-16	FIELDBLANK	WATER	Butane, 2-methoxy-2-methyl-	*	6.500	JB	0	0	ug/L
Total Tics :					16.50				
Total Concentration:					16.50				
Client ID : SS-1(0-2)									
B1546-01	SS-1(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	14,000.000	AB	0	0	ug/Kg
Total Tics :					14,000.00				
Total Concentration:					14,000.00				
Client ID : SS-10(0-2)									
B1546-12	SS-10(0-2)	SOIL	Dimethylphthalate		1,200.000	JB	4400	120	ug/Kg
Total Svoc :					1,200.00				
B1546-12	SS-10(0-2)	SOIL	1-Hexacosene	*	1,200.000	J	0	0	ug/Kg
B1546-12	SS-10(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	12,000.000	AB	0	0	ug/Kg
B1546-12	SS-10(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	JB	0	0	ug/Kg
Total Tics :					14,300.00				
Total Concentration:					15,500.00				
Client ID : SS-11(0-2)									
B1546-13	SS-11(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	16,000.000	AB	0	0	ug/Kg
B1546-13	SS-11(0-2)	SOIL	Hexadecanoic acid, butyl ester	*	7,400.000	J	0	0	ug/Kg
B1546-13	SS-11(0-2)	SOIL	Octadecanoic acid, butyl ester	*	5,700.000	J	0	0	ug/Kg
Total Tics :					29,100.00				
Total Concentration:					29,100.00				
Client ID : SS-12(0-2)									
B1546-14	SS-12(0-2)	SOIL	Dimethylphthalate		2,700.000	JB	5700	160	ug/Kg
B1546-14	SS-12(0-2)	SOIL	bis(2-Ethylhexyl)phthalate		830.000	J	5700	200	ug/Kg
Total Svoc :					3,530.00				
B1546-14	SS-12(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	JB	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Caffeine	*	18,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Cycloheptadecanol	*	2,300.000	J	0	0	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
B1546-14	SS-12(0-2)	SOIL	Cyclohexane, (1-hexadecylheptadec	* 3,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Eicosane	* 2,800.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Heneicosane, 11-pentyl-	* 4,400.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	n-Hexadecanoic acid	* 1,400.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Octadecanal	* 1,500.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Stigmast-4-en-3-one	* 6,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Z-14-Nonacosane	* 5,400.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	.beta.-Sitosterol	* 11,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	1,37-Octatriacontadiene	* 1,300.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	1,3-Benzodioxole, 5-(2-propenyl)-	* 2,400.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	1-Nonadecene	* 2,800.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	1-Triacontanol	* 14,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	2-Octadecyl-propane-1,3-diol	* 3,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	* 18,000.000	AB	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	9-Hexacosene	* 12,000.000	J	0	0	ug/Kg

Total Tics : 110,600.00
Total Concentration: 114,130.00

Client ID : SS-2(0-2)

B1546-02	SS-2(0-2)	SOIL	Dimethylphthalate	1,200.000	JB	3500	95	ug/Kg
Total Svoc :				1,200.00				
B1546-02	SS-2(0-2)	SOIL	1-Hexacosanol	* 720.000	J	0	0	ug/Kg
B1546-02	SS-2(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	* 11,000.000	AB	0	0	ug/Kg
B1546-02	SS-2(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	* 840.000	JB	0	0	ug/Kg

Total Tics : 12,560.00
Total Concentration: 13,760.00

Client ID : SS-3(0-2)

B1546-03	SS-3(0-2)	SOIL	Dimethylphthalate	2,000.000	JB	3600	99	ug/Kg
B1546-03	SS-3(0-2)	SOIL	bis(2-Ethylhexyl)phthalate	55,000.000	E	3600	130	ug/Kg
Total Svoc :				57,000.00				
B1546-03	SS-3(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	* 1,000.000	JB	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Cyclohexane	* 940.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Cyclopropanecarboxylic acid, 2-eth	* 790.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Heptacosane	* 1,700.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Hexadecane, 4-methyl-	* 910.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Undecane, 4-cyclohexyl-	* 1,700.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Unknown16.9	* 1,500.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	.beta.-Sitosterol	* 3,300.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	1-Hexacosene	* 1,600.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	* 13,000.000	AB	0	0	ug/Kg

Total Tics : 26,440.00
Total Concentration: 83,440.00

Client ID : SS-3(0-2)DL

Hit Summary Sheet

SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
B1546-03DL	SS-3(0-2)DL	SOIL	bis(2-Ethylhexyl)phthalate		46,000.000	D	18000	650	ug/Kg
Total Svoc :					46,000.00				
Total Concentration:					46,000.00				
Client ID : SS-4(0-2)									
B1546-06	SS-4(0-2)	SOIL	Dimethylphthalate		1,200.000	JB	3700	100	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Fluoranthene		560.000	J	3700	75	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Pyrene		550.000	J	3700	90	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Chrysene		480.000	J	3700	170	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Benzo(b)fluoranthene		780.000	J	3700	120	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Benzo(a)pyrene		610.000	J	3700	81	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Indeno(1,2,3-cd)pyrene		530.000	J	3700	120	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Benzo(g,h,i)perylene		610.000	J	3700	150	ug/Kg
Total Svoc :					5,320.00				
B1546-06	SS-4(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	*	1,000.000	JB	0	0	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Octacosanol	*	1,300.000	J	0	0	ug/Kg
B1546-06	SS-4(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	13,000.000	AB	0	0	ug/Kg
Total Tics :					15,300.00				
Total Concentration:					20,620.00				
Client ID : SS-5(0-2)									
B1546-07	SS-5(0-2)	SOIL	Dimethylphthalate		1,600.000	JB	3500	95	ug/Kg
Total Svoc :					1,600.00				
B1546-07	SS-5(0-2)	SOIL	1-Docosene	*	910.000	J	0	0	ug/Kg
B1546-07	SS-5(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	9,700.000	AB	0	0	ug/Kg
Total Tics :					10,610.00				
Total Concentration:					12,210.00				
Client ID : SS-6(0-2)									
B1546-08	SS-6(0-2)	SOIL	Dimethylphthalate		1,600.000	JB	3600	98	ug/Kg
Total Svoc :					1,600.00				
B1546-08	SS-6(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	12,000.000	AB	0	0	ug/Kg
B1546-08	SS-6(0-2)	SOIL	Benzoic acid, 2-ethylhexyl ester	*	1,100.000	J	0	0	ug/Kg
B1546-08	SS-6(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	*	970.000	JB	0	0	ug/Kg
B1546-08	SS-6(0-2)	SOIL	Cyclooctacosane	*	1,100.000	J	0	0	ug/Kg
Total Tics :					15,170.00				
Total Concentration:					16,770.00				
Client ID : SS-7(0-2)									
B1546-09	SS-7(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	16,000.000	AB	0	0	ug/Kg
Total Tics :					16,000.00				
Total Concentration:					16,000.00				
Client ID : SS-8(0-2)									
B1546-10	SS-8(0-2)	SOIL	Dimethylphthalate		1,100.000	JB	3500	94	ug/Kg
Total Svoc :					1,100.00				

Hit Summary Sheet

SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units	
B1546-10	SS-8(0-2)	SOIL	Tetradecanoic acid	*	1,200.000	J	0	0	ug/Kg
B1546-10	SS-8(0-2)	SOIL	unknown1.94	*	830.000	J	0	0	ug/Kg
B1546-10	SS-8(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	11,000.000	AB	0	0	ug/Kg
B1546-10	SS-8(0-2)	SOIL	3.alpha.-(Trimethylsiloxy)cholest-	*	970.000	J	0	0	ug/Kg
Total Tics :					14,000.00				
Total Concentration:					15,100.00				
Client ID : SS-9(0-2)									
B1546-11	SS-9(0-2)	SOIL	Dimethylphthalate		1,200.000	JB	3500	94	ug/Kg
B1546-11	SS-9(0-2)	SOIL	bis(2-Ethylhexyl)phthalate		1,900.000	J	3500	120	ug/Kg
Total Svoc :					3,100.00				
B1546-11	SS-9(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	*	860.000	JB	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	Eicosane	*	2,000.000	J	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	trans-2,3-Epoxydecane	*	800.000	J	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	2- Chloropropionic acid, hexadecyl	*	1,500.000	J	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	12,000.000	AB	0	0	ug/Kg
Total Tics :					17,160.00				
Total Concentration:					20,260.00				



-2D-

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Chemtech Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 () #	S8 () #	TOT OUT
01	PB48174BS	105	104	100	100	117	91			0
02	PB48174B	80	81	78	82	86	82			0
03	SS-2(0-2)	77	83	76	80	91	82			0
04	SS-3(0-2)	86	91	89	90	106	93			0
05	SS-3(0-2)MS	96	96	95	95	115	90			0
06	SS-3(0-2)MSD	93	94	90	90	108	84			0
07	SS-4(0-2)	90	93	90	89	112	90			0
08	SS-5(0-2)	69	71	65	70	79	64			0
09	SS-6(0-2)	89	91	89	89	108	87			0
10	SS-8(0-2)	83	87	82	84	101	83			0
11	SS-9(0-2)	91	90	89	89	108	90			0
12	SS-10(0-2)	72	73	69	71	83	71			0
13	SS-12(0-2)	78	81	78	79	95	78			0
14	DUP-01	74	78	72	73	87	74			0
15	SS-1(0-2)	88	97	90	92	96	85			0
16	SS-7(0-2)	88	94	88	91	93	81			0
17	SS-3(0-2)DL	79	85	80	86	78	71			0
14	SS-11(0-2)	76	77	80	81	72	73			0

QC LIMITS

S1 (2FP) = 2-Fluorophenol	(26-141)
S2 (PHL) = Phenol-d5	(28-142)
S3 (NBZ) = Nitrobenzene-d5	(30-150)
S4 (FBP) = 2-Fluorobiphenyl	(19-182)
S5 (TBP) = 2,4,6-Tribromophenol	(29-150)
S6 (TPH) = Terphenyl-d14	(24-191)
S7 () =	
S8 () =	

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out



-2C-

WATER SEMIVOLATILE SURROGATE RECOVER

Lab Name: Chemtech

Contract: PWGR01

Lab Code: CHEM Case No.: B1546

SAS No.: B1546 SDG No.: B1546

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 () #	S8 () #	TOT OUT
01	PB48156BS	45	28	104	103	126	90			0
02	PB48156BSD	43	26	108	105	128	94			0
03	PB48156B	37	22	97	99	121	100			0
05	FIELDBLANK	37	21	86	84	99	80			0

QC LIMITS

S1 (2FP) = 2-Fluorophenol	(10-160)
S2 (PHL) = Phenol-d5	(10-160)
S3 (NBZ) = Nitrobenzene-d5	(20-139)
S4 (FBP) = 2-Fluorobiphenyl	(10-173)
S5 (TBP) = 2,4,6-Tribromophenol	(10-169)
S6 (TPH) = Terphenyl-d14	(20-171)
S7 () =	
S8 () =	

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Chemtech Consulting Group Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7	S8	TOT OUT
01	PB48174BS	85	84	92	88	78	84			0
02	PB48174BL	82	83	89	88	77	83			0
03	SS-12(0-2)RE	74	71	83	84	77	77			0
04	SS-10(0-2)RE	56	59	74	75	58	67			0
05	SS-2(0-2)RE	73	75	84	84	82	79			0
06	SS-3(0-2)RE	87	87	95	93	89	86			0
07	SS-6(0-2)RE	89	90	97	94	94	84			0
08	SS-5(0-2)RE	85	85	93	92	91	80			0
09	SS-3(0-2)MSRE	86	89	98	92	88	85			0
10	SS-3(0-2)MSDRE	89	91	96	95	92	85			0
11	SS-1(0-2)RE	40	46	44	45	51	37			0
12	DUP-01RE	33	40	36	39	41	33			0
13	SS-9(0-2)RE	38	44	39	39	46	34			0
14	SS-8(0-2)RE	33	40	37	42	46	39			0
15	SS-7(0-2)RE	35	42	40	43	48	40			0
16	SS-4(0-2)RE	36	42	39	42	49	38			0
17	SS-11(0-2)RE	33	37	36	36	39	34			0

S1 (2FP) = 2-Fluorophenol	QC LIMITS
S2 (PHL) = Phenol-d5	(26-141)
S3 (NBZ) = Nitrobenzene-d5	(28-142)
S4 (FBP) = 2-Fluorobiphenyl	(30-150)
S5 (TBP) = 2,4,6-Tribromophenol	(19-182)
S6 (TPH) = Terphenyl-d14	(29-150)
	(24-191)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-04

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Benzaldehyde	19000	0	5500	29	(10-161)
Phenol	19000	0	16000	84	(43-127)
bis(2-Chloroethyl)ether	19000	0	15000	79	(43-134)
2-Chlorophenol	19000	0	16000	84	(41-131)
2-Methylphenol	19000	0	16000	84	(44-129)
2,2-oxybis(1-Chloropropane)	19000	0	17000	89	(36-137)
Acetophenone	19000	0	17000	89	(48-131)
3+4-Methylphenols	19000	0	16000	84	(44-131)
n-Nitroso-di-n-propylamine	19000	0	17000	89	(41-137)
Hexachloroethane	19000	0	16000	84	(25-142)
Nitrobenzene	19000	0	17000	89	(37-136)
Isophorone	19000	0	16000	84	(42-137)
2-Nitrophenol	19000	0	17000	89	(28-135)
2,4-Dimethylphenol	19000	0	16000	84	(35-136)
bis(2-Chloroethoxy)methane	19000	0	15000	79	(38-139)
2,4-Dichlorophenol	19000	0	16000	84	(34-137)
Naphthalene	19000	0	16000	84	(23-160)
4-Chloroaniline	19000	0	3600	19	(10-160)
Hexachlorobutadiene	19000	0	16000	84	(37-132)
Caprolactam	19000	0	16000	84	(24-145)
4-Chloro-3-methylphenol	19000	0	17000	89	(40-131)
2-Methylnaphthalene	19000	0	16000	84	(37-139)
Hexachlorocyclopentadiene	37000	0	31000	84	(10-128)
2,4,6-Trichlorophenol	19000	0	17000	89	(32-131)
2,4,5-Trichlorophenol	19000	0	17000	89	(39-134)
1,1-Biphenyl	19000	0	17000	89	(47-131)
2-Chloronaphthalene	19000	0	16000	84	(43-133)
2-Nitroaniline	19000	0	18000	95	(41-138)
Dimethylphthalate	19000	2000	18000	84	(51-132)
Acenaphthylene	19000	0	16000	84	(28-155)
2,6-Dinitrotoluene	19000	0	16000	84	(41-130)
3-Nitroaniline	19000	0	11000	58	(10-155)
Acenaphthene	19000	0	17000	89	(32-146)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 2 Out of 78 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-04

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
2,4-Dinitrophenol	37000	0	28000	76	(10-177)
4-Nitrophenol	37000	0	32000	86	(10-155)
Dibenzofuran	19000	0	16000	84	(36-147)
2,4-Dinitrotoluene	19000	0	16000	84	(38-131)
Diethylphthalate	19000	0	16000	84	(47-132)
4-Chlorophenyl-phenylether	19000	0	16000	84	(43-133)
Fluorene	19000	0	16000	84	(17-166)
4-Nitroaniline	19000	0	15000	79	(23-137)
4,6-Dinitro-2-methylphenol	19000	0	16000	84	(10-153)
n-Nitrosodiphenylamine	19000	0	16000	84	(40-143)
4-Bromophenyl-phenylether	19000	0	16000	84	(40-135)
Hexachlorobenzene	19000	0	16000	84	(43-132)
Atrazine	19000	0	16000	84	(38-135)
Pentachlorophenol	37000	0	34000	92	(10-146)
Phenanthrene	19000	0	16000	84	(30-149)
Anthracene	19000	0	16000	84	(27-158)
Carbazole	19000	0	16000	84	(38-147)
Di-n-butylphthalate	19000	0	17000	89	(45-135)
Fluoranthene	19000	0	16000	84	(26-155)
Pyrene	19000	0	17000	89	(22-173)
Butylbenzylphthalate	19000	0	18000	95	(46-141)
3,3-Dichlorobenzidine	19000	0	10000	53	(10-126)
Benzo(a)anthracene	19000	0	16000	84	(27-159)
Chrysene	19000	0	16000	84	(23-166)
Bis(2-ethylhexyl)phthalate	19000	55000	17000	-200*	(39-159)
Di-n-octyl phthalate	19000	0	17000	89	(36-151)
Benzo(b)fluoranthene	19000	0	16000	84	(21-171)
Benzo(k)fluoranthene	19000	0	15000	79	(26-165)
Benzo(a)pyrene	19000	0	16000	84	(26-157)
Indeno(1,2,3-cd)pyrene	19000	0	17000	89	(10-188)
Dibenzo(a,h)anthracene	19000	0	16000	84	(18-147)
Benzo(g,h,i)perylene	19000	0	16000	84	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 2 Out of 78 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-05

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Benzaldehyde	19000	5500	29	0	50	(10-161)
Phenol	19000	16000	84	0	50	(43-127)
bis(2-Chloroethyl)ether	19000	15000	79	0	50	(43-134)
2-Chlorophenol	19000	15000	79	6	50	(41-131)
2-Methylphenol	19000	16000	84	0	50	(44-129)
2,2-oxybis(1-Chloropropane)	19000	16000	84	6	50	(36-137)
Acetophenone	19000	16000	84	6	50	(48-131)
3+4-Methylphenols	19000	16000	84	0	50	(44-131)
n-Nitroso-di-n-propylamine	19000	16000	84	6	50	(41-137)
Hexachloroethane	19000	15000	79	6	50	(25-142)
Nitrobenzene	19000	16000	84	6	50	(37-136)
Isophorone	19000	16000	84	0	50	(42-137)
2-Nitrophenol	19000	16000	84	6	50	(28-135)
2,4-Dimethylphenol	19000	16000	84	0	50	(35-136)
bis(2-Chloroethoxy)methane	19000	15000	79	0	50	(38-139)
2,4-Dichlorophenol	19000	15000	79	6	50	(34-137)
Naphthalene	19000	15000	79	6	50	(23-160)
4-Chloroaniline	19000	2700	14	30	50	(10-160)
Hexachlorobutadiene	19000	15000	79	6	50	(37-132)
Caprolactam	19000	14000	74	13	50	(24-145)
4-Chloro-3-methylphenol	19000	16000	84	6	50	(40-131)
2-Methylnaphthalene	19000	15000	79	6	50	(37-139)
Hexachlorocyclopentadiene	37000	29000	78	7	50	(10-128)
2,4,6-Trichlorophenol	19000	16000	84	6	50	(32-131)
2,4,5-Trichlorophenol	19000	16000	84	6	50	(39-134)
1,1-Biphenyl	19000	17000	89	0	50	(47-131)
2-Chloronaphthalene	19000	15000	79	6	50	(43-133)
2-Nitroaniline	19000	17000	89	7	50	(41-138)
Dimethylphthalate	19000	17000	79	6	50	(51-132)
Acenaphthylene	19000	16000	84	0	50	(28-155)
2,6-Dinitrotoluene	19000	15000	79	6	50	(41-130)
3-Nitroaniline	19000	9800	52	11	50	(10-155)
Acenaphthene	19000	16000	84	6	50	(32-146)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 4 Out of 156 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-05

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
2,4-Dinitrophenol	37000	27000	73	4	50	(10-177)
4-Nitrophenol	37000	31000	84	2	50	(10-155)
Dibenzofuran	19000	15000	79	6	50	(36-147)
2,4-Dinitrotoluene	19000	16000	84	0	50	(38-131)
Diethylphthalate	19000	15000	79	6	50	(47-132)
4-Chlorophenyl-phenylether	19000	15000	79	6	50	(43-133)
Fluorene	19000	16000	84	0	50	(17-166)
4-Nitroaniline	19000	14000	74	7	50	(23-137)
4,6-Dinitro-2-methylphenol	19000	15000	79	6	50	(10-153)
n-Nitrosodiphenylamine	19000	16000	84	0	50	(40-143)
4-Bromophenyl-phenylether	19000	15000	79	6	50	(40-135)
Hexachlorobenzene	19000	15000	79	6	50	(43-132)
Atrazine	19000	16000	84	0	50	(38-135)
Pentachlorophenol	37000	33000	89	3	50	(10-146)
Phenanthrene	19000	15000	79	6	50	(30-149)
Anthracene	19000	15000	79	6	50	(27-158)
Carbazole	19000	15000	79	6	50	(38-147)
Di-n-butylphthalate	19000	16000	84	6	50	(45-135)
Fluoranthene	19000	15000	79	6	50	(26-155)
Pyrene	19000	16000	84	6	50	(22-173)
Butylbenzylphthalate	19000	17000	89	7	50	(46-141)
3,3-Dichlorobenzidine	19000	7800	41	26	50	(10-126)
Benzo(a)anthracene	19000	15000	79	6	50	(27-159)
Chrysene	19000	15000	79	6	50	(23-166)
Bis(2-ethylhexyl)phthalate	19000	17000	-200*	0	50	(39-159)
Di-n-octyl phthalate	19000	17000	89	0	50	(36-151)
Benzo(b)fluoranthene	19000	16000	84	0	50	(21-171)
Benzo(k)fluoranthene	19000	15000	79	0	50	(26-165)
Benzo(a)pyrene	19000	15000	79	6	50	(26-157)
Indeno(1,2,3-cd)pyrene	19000	16000	84	6	50	(10-188)
Dibenzo(a,h)anthracene	19000	15000	79	6	50	(18-147)
Benzo(g,h,i)perylene	19000	15000	79	6	50	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 4 Out of 156 outside limits

Lab Name: Chemtech Consulting GroupContract: PWGR01Lab Code: CHEMCase No.: B1546SAS No.: B1546SDG No.: B1546Matrix Spike - EPA Sample No: SS-3(0-2)RE Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMIT REC
Benzaldehyde	1900	130	310	9*	(10-161)
Phenol	1900	0	1600	84	(43-127)
bis(2-Chloroethyl)ethe	1900	0	1700	89	(43-134)
2-Chlorophenol	1900	0	1600	84	(41-131)
2-Methylphenol	1900	0	1700	89	(44-129)
2,2-oxybis(1-Chloropro	1900	0	1800	95	(36-137)
Acetophenone	1900	0	1900	100	(48-131)
3+4-Methylphenols	1900	0	1700	89	(44-131)
n-Nitroso-di-n-propyla	1900	0	1800	95	(41-137)
Hexachloroethane	1900	0	1500	79	(25-142)
Nitrobenzene	1900	0	1800	95	(37-136)
Isophorone	1900	0	1800	95	(42-137)
2-Nitrophenol	1900	0	1500	79	(28-135)
2,4-Dimethylphenol	1900	0	1600	84	(35-136)
bis(2-Chloroethoxy)met	1900	0	1700	89	(38-139)
2,4-Dichlorophenol	1900	0	1600	84	(34-137)
Naphthalene	1900	0	1600	84	(23-160)
4-Chloroaniline	1900	0	470	25	(10-160)
Hexachlorobutadiene	1900	0	1600	84	(37-132)
Caprolactam	1900	0	780	41	(24-145)
4-Chloro-3-methylpheno	1900	0	1700	89	(40-131)
2-Methylnaphthalene	1900	0	1600	84	(37-139)
Hexachlorocyclopentadi	3700	0	1500	41	(10-128)
2,4,6-Trichlorophenol	1900	0	1600	84	(32-131)
2,4,5-Trichlorophenol	1900	0	1600	84	(39-134)
1,1-Biphenyl	1900	0	1800	95	(47-131)
2-Chloronaphthalene	1900	0	1600	84	(43-133)
2-Nitroaniline	1900	0	1900	100	(41-138)
Dimethylphthalate	1900	240	1900	87	(51-132)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limitsSpike Recovery: 1 out of 65 outside limits

Comments: _____

Lab Name: Chemtech Consulting GroupContract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix Spike - EPA Sample No: SS-3(0-2)RE Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMIT REC
Acenaphthylene	1900	0	1600	84	(28-155)
2,6-Dinitrotoluene	1900	0	1600	84	(41-130)
3-Nitroaniline	1900	0	1200	63	(10-155)
Acenaphthene	1900	0	1600	84	(32-146)
2,4-Dinitrophenol	3700	0	870	24	(10-177)
4-Nitrophenol	3700	0	2900	78	(10-155)
Dibenzofuran	1900	0	1600	84	(36-147)
2,4-Dinitrotoluene	1900	0	1600	84	(38-131)
Diethylphthalate	1900	50	1700	87	(47-132)
4-Chlorophenyl-phenyle	1900	0	1600	84	(43-133)
Fluorene	1900	0	1700	89	(17-166)
4-Nitroaniline	1900	0	1300	68	(23-137)
4,6-Dinitro-2-methylph	1900	0	710	37	(10-153)
n-Nitrosodiphenylamine	1900	0	1700	89	(40-143)
4-Bromophenyl-phenylet	1900	0	1600	84	(40-135)
Hexachlorobenzene	1900	0	1600	84	(43-132)
Atrazine	1900	0	1700	89	(38-135)
Pentachlorophenol	3700	0	3500	95	(10-146)
Phenanthrene	1900	0	1700	89	(30-149)
Anthracene	1900	0	1700	89	(27-158)
Carbazole	1900	0	1700	89	(38-147)
Di-n-butylphthalate	1900	0	1700	89	(45-135)
Fluoranthene	1900	0	1600	84	(26-155)
Pyrene	1900	0	1700	89	(22-173)
Butylbenzylphthalate	1900	0	1900	100	(46-141)
3,3-Dichlorobenzidine	1900	0	450	24	(10-126)
Benzo(a)anthracene	1900	0	1600	84	(27-159)
Chrysene	1900	0	1700	89	(23-166)
Bis(2-ethylhexyl)phtha	1900	990	2000	53	(39-159)
Di-n-octyl phthalate	1900	0	1800	95	(36-151)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limitsSpike Recovery: 1 out of 65 outside limits

Comments:

Lab Name: Chemtech Consulting GroupContract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix Spike - EPA Sample No: SS-3(0-2)RE Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMIT REC
Benzo(b)fluoranthene	1900	0	1600	84	(21-171)
Benzo(k)fluoranthene	1900	0	1600	84	(26-165)
Benzo(a)pyrene	1900	0	1500	79	(26-157)
Indeno(1,2,3-cd)pyrene	1900	0	1500	79	(10-188)
Dibenzo(a,h)anthracene	1900	0	1500	79	(18-147)
Benzo(g,h,i)perylene	1900	0	1500	79	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limitsSpike Recovery: 1 out of 65 outside limits

Comments: _____

Lab Name: Chemtech Consulting GroupContract: PWGR01Lab Code: CHEMCase No.: B1546SAS No.: B1546SDG No.: B1546Matrix Spike - EPA Sample No: SS-3(0-2)RE Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
Benzaldehyde	1900	600	25	94*	20	(10-161)
Phenol	1900	1700	89	6	20	(43-127)
bis(2-Chloroethyl)ethe	1900	1800	95	7	20	(43-134)
2-Chlorophenol	1900	1500	79	6	20	(41-131)
2-Methylphenol	1900	1700	89	0	20	(44-129)
2,2-oxybis(1-Chloropro	1900	1800	95	0	20	(36-137)
Acetophenone	1900	1800	95	5	20	(48-131)
3+4-Methylphenols	1900	1700	89	0	20	(44-131)
n-Nitroso-di-n-propyla	1900	1800	95	0	20	(41-137)
Hexachloroethane	1900	1500	79	0	20	(25-142)
Nitrobenzene	1900	1700	89	7	20	(37-136)
Isophorone	1900	1700	89	7	20	(42-137)
2-Nitrophenol	1900	1600	84	6	20	(28-135)
2,4-Dimethylphenol	1900	1600	84	0	20	(35-136)
bis(2-Chloroethoxy)met	1900	1600	84	6	20	(38-139)
2,4-Dichlorophenol	1900	1600	84	0	20	(34-137)
Naphthalene	1900	1600	84	0	20	(23-160)
4-Chloroaniline	1900	470	25	0	20	(10-160)
Hexachlorobutadiene	1900	1500	79	6	20	(37-132)
Caprolactam	1900	1700	89	74*	20	(24-145)
4-Chloro-3-methylpheno	1900	1600	84	6	20	(40-131)
2-Methylnaphthalene	1900	1500	79	6	20	(37-139)
Hexachlorocyclopentadi	3700	1400	38	8	20	(10-128)
2,4,6-Trichlorophenol	1900	1700	89	6	20	(32-131)
2,4,5-Trichlorophenol	1900	1600	84	0	20	(39-134)
1,1-Biphenyl	1900	1700	89	7	20	(47-131)
2-Chloronaphthalene	1900	1600	84	0	20	(43-133)
2-Nitroaniline	1900	1900	100	0	20	(41-138)
Dimethylphthalate	1900	1800	82	6	20	(51-132)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 65 outside limitsSpike Recovery: 1 out of 130 outside limits

Comments:

Lab Name: Chemtech Consulting GroupContract: PWGR01Lab Code: CHEMCase No.: B1546SAS No.: B1546SDG No.: B1546Matrix Spike - EPA Sample No: SS-3(0-2)RE Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
Acenaphthylene	1900	1600	84	0	20	(28-155)
2,6-Dinitrotoluene	1900	1600	84	0	20	(41-130)
3-Nitroaniline	1900	1200	63	0	20	(10-155)
Acenaphthene	1900	1600	84	0	20	(32-146)
2,4-Dinitrophenol	3700	1500	41	52*	20	(10-177)
4-Nitrophenol	3700	3400	92	16	20	(10-155)
Dibenzofuran	1900	1600	84	0	20	(36-147)
2,4-Dinitrotoluene	1900	1500	79	6	20	(38-131)
Diethylphthalate	1900	1700	87	0	20	(47-132)
4-Chlorophenyl-phenyle	1900	1600	84	0	20	(43-133)
Fluorene	1900	1700	89	0	20	(17-166)
4-Nitroaniline	1900	1300	68	0	20	(23-137)
4,6-Dinitro-2-methylph	1900	880	46	22*	20	(10-153)
n-Nitrosodiphenylamine	1900	1700	89	0	20	(40-143)
4-Bromophenyl-phenylet	1900	1600	84	0	20	(40-135)
Hexachlorobenzene	1900	1600	84	0	20	(43-132)
Atrazine	1900	1600	84	6	20	(38-135)
Pentachlorophenol	3700	3700	100	5	20	(10-146)
Phenanthrene	1900	1600	84	6	20	(30-149)
Anthracene	1900	1600	84	6	20	(27-158)
Carbazole	1900	1700	89	0	20	(38-147)
Di-n-butylphthalate	1900	1700	89	0	20	(45-135)
Fluoranthene	1900	1500	79	6	20	(26-155)
Pyrene	1900	1700	89	0	20	(22-173)
Butylbenzylphthalate	1900	1800	95	5	20	(46-141)
3,3-Dichlorobenzidine	1900	830	44	59*	20	(10-126)
Benzo(a)anthracene	1900	1600	84	0	20	(27-159)
Chrysene	1900	1600	84	6	20	(23-166)
Bis(2-ethylhexyl)phtha	1900	1900	48	10	20	(39-159)
Di-n-octyl phthalate	1900	1700	89	7	20	(36-151)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 65 outside limitsSpike Recovery: 1 out of 130 outside limits

Comments:

Lab Name: Chemtech Consulting GroupContract: PWGR01Lab Code: CHEMCase No.: B1546SAS No.: B1546SDG No.: B1546Matrix Spike - EPA Sample No: SS-3(0-2)RE Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
Benzo(b)fluoranthene	1900	1500	79	6	20	(21-171)
Benzo(k)fluoranthene	1900	1500	79	6	20	(26-165)
Benzo(a)pyrene	1900	1500	79	0	20	(26-157)
Indeno(1,2,3-cd)pyrene	1900	1400	74	7	20	(10-188)
Dibenzo(a,h)anthracene	1900	1500	79	0	20	(18-147)
Benzo(g,h,i)perylene	1900	1500	79	0	20	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 65 outside limitsSpike Recovery: 1 out of 130 outside limits

Comments: _____

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : PB48156BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Benzaldehyde	50		17	34	(10-161)
Phenol	50		13	26	(10-132)
bis(2-Chloroethyl)ether	50		47	94	(38-127)
2-Chlorophenol	50		37	74	(10-148)
2-Methylphenol	50		31	62	(10-152)
2,2-oxybis(1-Chloropropane)	50		48	96	(46-118)
Acetophenone	50		52	104	(57-116)
3+4-Methylphenols	50		28	56	(10-152)
n-Nitroso-di-n-propylamine	50		50	100	(49-120)
Hexachloroethane	50		42	84	(26-152)
Nitrobenzene	50		49	98	(37-127)
Isophorone	50		50	100	(50-122)
2-Nitrophenol	50		48	96	(49-122)
2,4-Dimethylphenol	50		41	82	(10-119)
bis(2-Chloroethoxy)methane	50		48	96	(48-123)
2,4-Dichlorophenol	50		45	90	(10-124)
Naphthalene	50		48	96	(42-115)
4-Chloroaniline	50		16	32	(10-161)
Hexachlorobutadiene	50		45	90	(33-114)
Caprolactam	50		7.3	15	(10-161)
4-Chloro-3-methylphenol	50		42	84	(10-114)
2-Methylnaphthalene	50		48	96	(51-114)
Hexachlorocyclopentadiene	100		88	88	(10-155)
2,4,6-Trichlorophenol	50		50	100	(10-121)
2,4,5-Trichlorophenol	50		49	98	(10-123)
1,1-Biphenyl	50		54	108	(58-115)
2-Chloronaphthalene	50		50	100	(52-117)
2-Nitroaniline	50		54	108	(62-123)
Dimethylphthalate	50		50	100	(3-142)
Acenaphthylene	50		51	102	(52-118)
2,6-Dinitrotoluene	50		51	102	(65-120)
3-Nitroaniline	50		25	50	(10-120)
Acenaphthene	50		53	106	(51-118)
2,4-Dinitrophenol	100		87	87	(10-136)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____



3B

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546Matrix Spike - EPA Sample No : PB48156BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
4-Nitrophenol	100		34	34	(10-161)
Dibenzofuran	50		50	100	(61-115)
2,4-Dinitrotoluene	50		53	106	(68-122)
Diethylphthalate	50		51	102	(51-122)
4-Chlorophenyl-phenylether	50		50	100	(62-119)
Fluorene	50		51	102	(55-121)
4-Nitroaniline	50		46	92	(66-123)
4,6-Dinitro-2-methylphenol	50		50	100	(10-144)
n-Nitrosodiphenylamine	50		50	100	(64-119)
4-Bromophenyl-phenylether	50		50	100	(63-123)
Hexachlorobenzene	50		51	102	(45-136)
Atrazine	50		51	102	(61-132)
Pentachlorophenol	100		97	97	(10-124)
Phenanthrene	50		50	100	(55-126)
Anthracene	50		50	100	(59-122)
Carbazole	50		50	100	(70-124)
Di-n-butylphthalate	50		53	106	(72-121)
Fluoranthene	50		51	102	(61-127)
Pyrene	50		50	100	(62-128)
Butylbenzylphthalate	50		53	106	(66-129)
3,3-Dichlorobenzidine	50		31	62	(10-160)
Benzo(a)anthracene	50		50	100	(52-136)
Chrysene	50		51	102	(55-136)
Bis(2-ethylhexyl)phthalate	50		56	112	(69-130)
Di-n-octyl phthalate	50		52	104	(66-131)
Benzo(b)fluoranthene	50		52	104	(48-149)
Benzo(k)fluoranthene	50		50	100	(54-138)
Benzo(a)pyrene	50		52	104	(55-139)
Indeno(1,2,3-cd)pyrene	50		52	104	(10-145)
Dibenzo(a,h)anthracene	50		52	104	(45-150)
Benzo(g,h,i)perylene	50		52	104	(54-138)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : PB48156BSD

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
Benzaldehyde	50	19	38	11	50	(10-161)
Phenol	50	12	24	8	50	(10-132)
bis(2-Chloroethyl)ether	50	49	98	4	50	(38-127)
2-Chlorophenol	50	38	76	3	50	(10-148)
2-Methylphenol	50	31	62	0	50	(10-152)
2,2-oxybis(1-Chloropropane)	50	50	100	4	50	(46-118)
Acetophenone	50	54	108	4	50	(57-116)
3+4-Methylphenols	50	28	56	0	50	(10-152)
n-Nitroso-di-n-propylamine	50	52	104	4	50	(49-120)
Hexachloroethane	50	47	94	11	50	(26-152)
Nitrobenzene	50	52	104	6	50	(37-127)
Isophorone	50	53	106	6	50	(50-122)
2-Nitrophenol	50	51	102	6	50	(49-122)
2,4-Dimethylphenol	50	43	86	5	50	(10-119)
bis(2-Chloroethoxy)methane	50	51	102	6	50	(48-123)
2,4-Dichlorophenol	50	47	94	4	50	(10-124)
Naphthalene	50	51	102	6	50	(42-115)
4-Chloroaniline	50	20	40	22	50	(10-161)
Hexachlorobutadiene	50	50	100	11	50	(33-114)
Caprolactam	50	6.6	13	14	50	(10-161)
4-Chloro-3-methylphenol	50	44	88	5	50	(10-114)
2-Methylnaphthalene	50	51	102	6	50	(51-114)
Hexachlorocyclopentadiene	100	94	94	7	50	(10-155)
2,4,6-Trichlorophenol	50	52	104	4	50	(10-121)
2,4,5-Trichlorophenol	50	51	102	4	50	(10-123)
1,1-Biphenyl	50	55	110	2	50	(58-115)
2-Chloronaphthalene	50	51	102	2	50	(52-117)
2-Nitroaniline	50	56	112	4	50	(62-123)
Dimethylphthalate	50	53	106	6	50	(3-142)
Acenaphthylene	50	52	104	2	50	(52-118)
2,6-Dinitrotoluene	50	54	108	6	50	(65-120)
3-Nitroaniline	50	25	50	0	50	(10-120)
Acenaphthene	50	54	108	2	50	(51-118)
2,4-Dinitrophenol	100	89	89	2	50	(10-136)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : PB48156BSD

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
4-Nitrophenol	100	34	34	0	50	(10-161)
Dibenzofuran	50	51	102	2	50	(61-115)
2,4-Dinitrotoluene	50	55	110	4	50	(68-122)
Diethylphthalate	50	52	104	2	50	(51-122)
4-Chlorophenyl-phenylether	50	53	106	6	50	(62-119)
Fluorene	50	53	106	4	50	(55-121)
4-Nitroaniline	50	48	96	4	50	(66-123)
4,6-Dinitro-2-methylphenol	50	51	102	2	50	(10-144)
n-Nitrosodiphenylamine	50	53	106	6	50	(64-119)
4-Bromophenyl-phenylether	50	53	106	6	50	(63-123)
Hexachlorobenzene	50	52	104	2	50	(45-136)
Atrazine	50	55	110	8	50	(61-132)
Pentachlorophenol	100	100	100	3	50	(10-124)
Phenanthrene	50	52	104	4	50	(55-126)
Anthracene	50	53	106	6	50	(59-122)
Carbazole	50	52	104	4	50	(70-124)
Di-n-butylphthalate	50	55	110	4	50	(72-121)
Fluoranthene	50	53	106	4	50	(61-127)
Pyrene	50	53	106	6	50	(62-128)
Butylbenzylphthalate	50	56	112	6	50	(66-129)
3,3-Dichlorobenzidine	50	27	54	14	50	(10-160)
Benzo(a)anthracene	50	53	106	6	50	(52-136)
Chrysene	50	53	106	4	50	(55-136)
Bis(2-ethylhexyl)phthalate	50	61	122	9	50	(69-130)
Di-n-octyl phthalate	50	53	106	2	50	(66-131)
Benzo(b)fluoranthene	50	54	108	4	50	(48-149)
Benzo(k)fluoranthene	50	52	104	4	50	(54-138)
Benzo(a)pyrene	50	53	106	2	50	(55-139)
Indeno(1,2,3-cd)pyrene	50	54	108	4	50	(10-145)
Dibenzo(a,h)anthracene	50	53	106	2	50	(45-150)
Benzo(g,h,i)perylene	50	53	106	2	50	(54-138)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

SOIL SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : PB48174BS

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Benzaldehyde	1700		530	31	(10-161)
Phenol	1700		1600	94	(51-111)
bis(2-Chloroethyl)ether	1700		1500	88	(48-114)
2-Chlorophenol	1700		1600	94	(53-110)
2-Methylphenol	1700		1600	94	(52-111)
2,2-oxybis(1-Chloropropane)	1700		1600	94	(45-117)
Acetophenone	1700		1700	100	(51-114)
3+4-Methylphenols	1700		1600	94	(54-109)
n-Nitroso-di-n-propylamine	1700		1600	94	(51-114)
Hexachloroethane	1700		1500	88	(44-113)
Nitrobenzene	1700		1600	94	(49-114)
Isophorone	1700		1600	94	(52-113)
2-Nitrophenol	1700		1600	94	(51-116)
2,4-Dimethylphenol	1700		1600	94	(46-148)
bis(2-Chloroethoxy)methane	1700		1500	88	(52-115)
2,4-Dichlorophenol	1700		1600	94	(53-112)
Naphthalene	1700		1600	94	(51-114)
4-Chloroaniline	1700		640	38	(25-115)
Hexachlorobutadiene	1700		1500	88	(47-116)
Caprolactam	1700		1600	94	(34-117)
4-Chloro-3-methylphenol	1700		1600	94	(56-111)
2-Methylnaphthalene	1700		1600	94	(54-111)
Hexachlorocyclopentadiene	3300		3100	94	(43-112)
2,4,6-Trichlorophenol	1700		1600	94	(53-112)
2,4,5-Trichlorophenol	1700		1600	94	(53-113)
1,1-Biphenyl	1700		1700	100	(55-109)
2-Chloronaphthalene	1700		1600	94	(55-112)
2-Nitroaniline	1700		1700	100	(53-118)
Dimethylphthalate	1700		1700	100	(57-112)
Acenaphthylene	1700		1600	94	(54-113)
2,6-Dinitrotoluene	1700		1600	94	(55-114)
3-Nitroaniline	1700		900	53	(10-157)
Acenaphthene	1700		1700	100	(54-113)
2,4-Dinitrophenol	3300		2700	82	(15-153)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

SOIL SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : PB48174BS

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
4-Nitrophenol	3300		3200	97	(44-115)
Dibenzofuran	1700		1600	94	(59-108)
2,4-Dinitrotoluene	1700		1600	94	(55-115)
Diethylphthalate	1700		1600	94	(56-111)
4-Chlorophenyl-phenylether	1700		1600	94	(56-111)
Fluorene	1700		1600	94	(56-113)
4-Nitroaniline	1700		1600	94	(46-113)
4,6-Dinitro-2-methylphenol	1700		1500	88	(39-126)
n-Nitrosodiphenylamine	1700		1600	94	(54-115)
4-Bromophenyl-phenylether	1700		1500	88	(51-120)
Hexachlorobenzene	1700		1500	88	(52-117)
Atrazine	1700		1500	88	(40-127)
Pentachlorophenol	3300		3100	94	(47-116)
Phenanthrene	1700		1500	88	(56-113)
Anthracene	1700		1500	88	(56-113)
Carbazole	1700		1500	88	(54-117)
Di-n-butylphthalate	1700		1600	94	(58-115)
Fluoranthene	1700		1600	94	(54-117)
Pyrene	1700		1600	94	(58-117)
Butylbenzylphthalate	1700		1700	100	(57-122)
3,3-Dichlorobenzidine	1700		530	31	(10-157)
Benzo(a)anthracene	1700		1600	94	(57-112)
Chrysene	1700		1600	94	(59-114)
Bis(2-ethylhexyl)phthalate	1700		1600	94	(60-119)
Di-n-octyl phthalate	1700		1600	94	(56-122)
Benzo(b)fluoranthene	1700		1600	94	(53-120)
Benzo(k)fluoranthene	1700		1500	88	(56-117)
Benzo(a)pyrene	1700		1600	94	(56-117)
Indeno(1,2,3-cd)pyrene	1700		1700	100	(49-120)
Dibenzo(a,h)anthracene	1700		1600	94	(52-119)
Benzo(g,h,i)perylene	1700		1600	94	(53-119)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

Lab Name: Chemtech Consulting GroupContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546SDG No.: B1546Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)		LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMIT REC
Benzaldehyde	1700		210	12	(10-161)
Phenol	1700		1400	82	(51-111)
bis(2-Chloroethyl)ethe	1700		1400	82	(48-114)
2-Chlorophenol	1700		1400	82	(53-110)
2-Methylphenol	1700		1500	88	(52-111)
2,2-oxybis(1-Chloropro	1700		1500	88	(45-117)
Acetophenone	1700		1600	94	(51-114)
3+4-Methylphenols	1700		1400	82	(54-109)
n-Nitroso-di-n-propyla	1700		1500	88	(51-114)
Hexachloroethane	1700		1400	82	(44-113)
Nitrobenzene	1700		1500	88	(49-114)
Isophorone	1700		1500	88	(52-113)
2-Nitrophenol	1700		1500	88	(51-116)
2,4-Dimethylphenol	1700		1500	88	(46-148)
bis(2-Chloroethoxy)met	1700		1500	88	(52-115)
2,4-Dichlorophenol	1700		1400	82	(53-112)
Naphthalene	1700		1500	88	(51-114)
4-Chloroaniline	1700		560	33	(25-115)
Hexachlorobutadiene	1700		1400	82	(47-116)
Caprolactam	1700		1400	82	(34-117)
4-Chloro-3-methylpheno	1700		1400	82	(56-111)
2-Methylnaphthalene	1700		1400	82	(54-111)
Hexachlorocyclopentadi	3300		2800	85	(43-112)
2,4,6-Trichlorophenol	1700		1400	82	(53-112)
2,4,5-Trichlorophenol	1700		1400	82	(53-113)
1,1-Biphenyl	1700		1600	94	(55-109)
2-Chloronaphthalene	1700		1500	88	(55-112)
2-Nitroaniline	1700		1500	88	(53-118)
Dimethylphthalate	1700		1600	94	(57-112)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limitsSpike Recovery: 0 out of 65 outside limits

Comments:

Lab Name: Chemtech Consulting GroupContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546SDG No.: B1546Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)		LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMIT REC
Acenaphthylene	1700		1500	88	(54-113)
2,6-Dinitrotoluene	1700		1400	82	(55-114)
3-Nitroaniline	1700		900	53	(10-157)
Acenaphthene	1700		1400	82	(54-113)
2,4-Dinitrophenol	3300		2300	70	(15-153)
4-Nitrophenol	3300		2700	82	(44-115)
Dibenzofuran	1700		1400	82	(59-108)
2,4-Dinitrotoluene	1700		1400	82	(55-115)
Diethylphthalate	1700		1400	82	(56-111)
4-Chlorophenyl-phenyle	1700		1400	82	(56-111)
Fluorene	1700		1400	82	(56-113)
4-Nitroaniline	1700		1300	76	(46-113)
4,6-Dinitro-2-methylph	1700		1400	82	(39-126)
n-Nitrosodiphenylamine	1700		1600	94	(54-115)
4-Bromophenyl-phenylet	1700		1500	88	(51-120)
Hexachlorobenzene	1700		1500	88	(52-117)
Atrazine	1700		1500	88	(40-127)
Pentachlorophenol	3300		2900	88	(47-116)
Phenanthrene	1700		1500	88	(56-113)
Anthracene	1700		1500	88	(56-113)
Carbazole	1700		1500	88	(54-117)
Di-n-butylphthalate	1700		1500	88	(58-115)
Fluoranthene	1700		1400	82	(54-117)
Pyrene	1700		1600	94	(58-117)
Butylbenzylphthalate	1700		1600	94	(57-122)
3,3-Dichlorobenzidine	1700		820	48	(10-157)
Benzo(a)anthracene	1700		1500	88	(57-112)
Chrysene	1700		1500	88	(59-114)
Bis(2-ethylhexyl)phtha	1700		1600	94	(60-119)
Di-n-octyl phthalate	1700		1600	94	(56-122)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limitsSpike Recovery: 0 out of 65 outside limits

Comments:

Lab Name: Chemtech Consulting GroupContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG No.: B1546Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)		LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMIT REC
Benzo(b)fluoranthene	1700		1500	88	(53-120)
Benzo(k)fluoranthene	1700		1400	82	(56-117)
Benzo(a)pyrene	1700		1400	82	(56-117)
Indeno(1,2,3-cd)pyrene	1700		1500	88	(49-120)
Dibenzo(a,h)anthracene	1700		1500	88	(52-119)
Benzo(g,h,i)perylene	1700		1500	88	(53-119)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limitsSpike Recovery: 0 out of 65 outside limits

Comments: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB48156B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: BE062514.DLab Sample ID: PB48156BInstrument ID: BNAEDate Extracted: 03/09/2010Matrix: (soil/water) WATERDate Analyzed: 03/10/2010Level: (low/med) LOWTime Analyzed: 13:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB48156BS	PB48156BS	BE062512.D	03/10/2010
PB48156BSD	PB48156BSD	BE062513.D	03/10/2010
FIELDBLANK	B1546-16	BE062517.D	03/10/2010

COMMENTS: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48156B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: PB48156BSample wt/vol: 1000 (g/mL) ml Lab File ID: BE062514.DLevel: (low/med) LOW Date Received: _____% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48156B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: PB48156BSample wt/vol: 1000 (g/mL) ml Lab File ID: BE062514.DLevel: (low/med) LOW Date Received: _____% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/L</u>	Q
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48156B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: PB48156BSample wt/vol: 1000 (g/mL) ml Lab File ID: BE062514.DLevel: (low/med) LOW Date Received: _____% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PB48156B

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): WATER Lab Sample ID: PB48156B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BE062514.D

Level: (low/med) LOW Date Received:

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Concentration Units: ug/L

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.93	5.8	J
62-75-9	n-Nitrosodimethylamine	2.46	1.8	J
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	10	A



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB48174B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: BE062515.DLab Sample ID: PB48174BInstrument ID: BNAEDate Extracted: 03/10/2010Matrix: (soil/water) SOILDate Analyzed: 03/10/2010Level: (low/med) LOWTime Analyzed: 14:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB48174BS	PB48174BS	BE062511.D	03/10/2010
SS-2 (0-2)	B1546-02	BE062520.D	03/10/2010
SS-3 (0-2)	B1546-03	BE062521.D	03/10/2010
SS-3 (0-2) MS	B1546-04MS	BE062522.D	03/10/2010
SS-3 (0-2) MSD	B1546-05MSD	BE062523.D	03/10/2010
SS-4 (0-2)	B1546-06	BE062524.D	03/10/2010
SS-5 (0-2)	B1546-07	BE062525.D	03/10/2010
SS-6 (0-2)	B1546-08	BE062526.D	03/10/2010
SS-8 (0-2)	B1546-10	BE062527.D	03/10/2010
SS-9 (0-2)	B1546-11	BE062528.D	03/10/2010
SS-10 (0-2)	B1546-12	BE062529.D	03/10/2010
SS-12 (0-2)	B1546-14	BE062530.D	03/10/2010
DUP-01	B1546-15	BE062531.D	03/10/2010
SS-1 (0-2)	B1546-01	BE062532.D	03/10/2010
SS-7 (0-2)	B1546-09	BE062533.D	03/10/2010
SS-3 (0-2) DL	B1546-03DL	BE062540.D	03/11/2010
SS-11 (0-2)	B1546-13	BE062598.D	03/12/2010

COMMENTS: _____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48174B

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: PB48174B

Sample wt/vol: 30.02 (g/mL) g Lab File ID: BE062515.D

Level: (low/med) LOW Date Received:

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
65794-96-9	3+4-Methylphenols	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
92-52-4	1,1-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	86	J

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48174B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: PB48174BSample wt/vol: 30.02 (g/mL) g Lab File ID: BE062515.DLevel: (low/med) LOW Date Received: _____% Moisture: 0 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	330	U
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48174B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: PB48174BSample wt/vol: 30.02 (g/mL) g Lab File ID: BE062515.DLevel: (low/med) LOW Date Received: _____% Moisture: 0 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PB48174B

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: PB48174B

Sample wt/vol: 30.02 (g/mL) g Lab File ID: BE062515.D

Level: (low/med) LOW Date Received:

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Concentration Units: ug/Kg

Number TICS found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	93	J
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	1000	A

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB48174BL

Lab Name: Chemtech Consulting GroupContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: BE062987.DLab Sample ID: PB48174BLInstrument ID: BNAEDate Extracted: 3/31/2010Matrix: (soil/water) SOILDate Analyzed: 3/31/2010Level: (low/med) LOWTime Analyzed: 18:31

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	PB48174BS	PB48174BS	BE062986.D	3/31/2010
02	SS-12(0-2)RE	B1546-14RE	BE062997.D	3/31/2010
03	SS-10(0-2)RE	B1546-12RE	BE062998.D	4/1/2010
04	SS-2(0-2)RE	B1546-02RE	BE062999.D	4/1/2010
05	SS-3(0-2)RE	B1546-03RE	BE063000.D	4/1/2010
06	SS-6(0-2)RE	B1546-08RE	BE063001.D	4/1/2010
07	SS-5(0-2)RE	B1546-07RE	BE063002.D	4/1/2010
08	SS-3(0-2)MSRE	B1546-04MSRE	BE063003.D	4/1/2010
09	SS-3(0-2)MSDRE	B1546-05MSDRE	BE063004.D	4/1/2010
10	SS-1(0-2)RE	B1546-01RE	BE063025.D	4/1/2010
11	DUP-01RE	B1546-15RE	BE063026.D	4/1/2010
12	SS-9(0-2)RE	B1546-11RE	BE063027.D	4/1/2010
13	SS-8(0-2)RE	B1546-10RE	BE063028.D	4/2/2010
14	SS-7(0-2)RE	B1546-09RE	BE063029.D	4/2/2010
15	SS-4(0-2)RE	B1546-06RE	BE063030.D	4/2/2010
16	SS-11(0-2)RE	B1546-13RE	BE063031.D	4/2/2010

COMMENTS:

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48174BL

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: PB48174BL
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062987.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: 0 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/31/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	330	U	
108-95-2	Phenol	330	U	
111-44-4	bis(2-Chloroethyl)ether	330	U	
95-57-8	2-Chlorophenol	330	U	
95-48-7	2-Methylphenol	330	U	
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	
98-86-2	Acetophenone	330	U	
65794-96-9	3+4-Methylphenols	330	U	
621-64-7	N-Nitroso-di-n-propylamine	330	U	
67-72-1	Hexachloroethane	330	U	
98-95-3	Nitrobenzene	330	U	
78-59-1	Isophorone	330	U	
88-75-5	2-Nitrophenol	330	U	
105-67-9	2,4-Dimethylphenol	330	U	
111-91-1	bis(2-Chloroethoxy)methane	330	U	
120-83-2	2,4-Dichlorophenol	330	U	
91-20-3	Naphthalene	330	U	
106-47-8	4-Chloroaniline	330	U	
87-68-3	Hexachlorobutadiene	330	U	
105-60-2	Caprolactam	330	U	
59-50-7	4-Chloro-3-methylphenol	330	U	
91-57-6	2-Methylnaphthalene	330	U	
77-47-4	Hexachlorocyclopentadiene	330	U	
88-06-2	2,4,6-Trichlorophenol	330	U	
95-95-4	2,4,5-Trichlorophenol	330	U	
92-52-4	1,1-Biphenyl	330	U	
91-58-7	2-Chloronaphthalene	330	U	
88-74-4	2-Nitroaniline	330	U	
131-11-3	Dimethylphthalate	170	J	
208-96-8	Acenaphthylene	330	U	
606-20-2	2,6-Dinitrotoluene	330	U	
99-09-2	3-Nitroaniline	330	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48174BL

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: PB48174BL
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062987.D
 Level: (low/med) LOW Date Received: _____
 % Moisture: 0 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/31/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	330	U	
51-28-5	2,4-Dinitrophenol	330	U	
100-02-7	4-Nitrophenol	330	U	
132-64-9	Dibenzofuran	330	U	
121-14-2	2,4-Dinitrotoluene	330	U	
84-66-2	Diethylphthalate	330	U	
7005-72-3	4-Chlorophenyl-phenylether	330	U	
86-73-7	Fluorene	330	U	
100-01-6	4-Nitroaniline	330	U	
534-52-1	4,6-Dinitro-2-methylphenol	330	U	
86-30-6	N-Nitrosodiphenylamine	330	U	
101-55-3	4-Bromophenyl-phenylether	330	U	
118-74-1	Hexachlorobenzene	330	U	
1912-24-9	Atrazine	330	U	
87-86-5	Pentachlorophenol	330	U	
85-01-8	Phenanthrene	330	U	
120-12-7	Anthracene	330	U	
86-74-8	Carbazole	330	U	
84-74-2	Di-n-butylphthalate	330	U	
206-44-0	Fluoranthene	330	U	
129-00-0	Pyrene	330	U	
85-68-7	Butylbenzylphthalate	330	U	
91-94-1	3,3-Dichlorobenzidine	330	U	
56-55-3	Benzo(a)anthracene	330	U	
218-01-9	Chrysene	330	U	
117-81-7	bis(2-Ethylhexyl)phthalate	330	U	
117-84-0	Di-n-octyl phthalate	330	U	
205-99-2	Benzo(b)fluoranthene	330	U	
207-08-9	Benzo(k)fluoranthene	330	U	
50-32-8	Benzo(a)pyrene	330	U	
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	
53-70-3	Dibenz(a,h)anthracene	330	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48174BL

Lab Name: Chemtech Consulting Group Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
Matrix (soil/water): SOIL Lab Sample ID: PB48174BL
Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE062987.D
Level: (low/med) LOW Date Received: _____
% Moisture: 0 Decanted: (Y/N) N Date Extracted: 3/31/2010
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 3/31/2010
Injection Volume: 1.0 Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SOXH

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	Q
191-24-2	Benzo(g, h, i)perylene	330	U

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

PB48174BL

Contract: **PWGR01**

Lab Code: **CHEM** Case No.: **B1546** SAS No.: **B1546** SDG No.: **B1546**

Matrix (soil/water): **SOIL**

Lab Sample ID: **PB48174BL**

Sample wt/vol: **30.00** (g/mL) **g**

Lab File ID: **BE062987.D**

Level (low/med): **LOW**

Date Received: _____

% Moisture: **0** decanted: (Y/N) **N**

Date Extracted: **3/31/2010**

Concentrated Extract Volume: **1000** (uL)

Date Analyzed: **3/31/2010**

Injection Volume: **1.0**

Dilution Factor: **1.0**

GPC Cleanup: (Y/N) **N** pH: _____

Number TICS found: **3**

Concentration Units: **ug/Kg**

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.24	890	A
	unknown10.90	10.90	68	J
593-50-0	1-Triacontanol	12.38	100	J



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546EPA Sample No.: SSTD040Date Analyzed: 03/10/2010Lab File ID: BE062510.DTime Analyzed: 11:45Instrument ID: BNAEGC Column: RTX-5 SILM ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	136285	5	575053	6.15	288583	7.87
	UPPER LIMIT	272570	5.5	1150106	6.65	577166	8.37
	LOWER LIMIT	68142.5	4.5	287526.5	5.65	144291.5	7.37
	EPA SAMPLE NO.						
01	SS-3 (0-2)MS	142729	5.00	564460	6.15	279105	7.87
02	SS-3 (0-2)MSD	142624	4.99	582120	6.15	283929	7.87
03	SS-4 (0-2)	140636	5.00	567644	6.15	284580	7.87
04	SS-5 (0-2)	139880	5.00	578886	6.14	278437	7.87
05	SS-6 (0-2)	141020	5.00	567287	6.15	280881	7.87
06	SS-8 (0-2)	143055	5.00	582740	6.15	285112	7.87
07	SS-9 (0-2)	144568	5.00	584037	6.15	286252	7.87
08	SS-10 (0-2)	142870	5.00	583175	6.14	289588	7.87
09	SS-12 (0-2)	137480	5.00	563795	6.15	277546	7.87
10	DUP-01	129303	5.00	546507	6.14	273454	7.87
11	SS-1 (0-2)	135349	5.00	561467	6.15	283907	7.87
12	SS-7 (0-2)	140094	5.00	565505	6.15	286836	7.87
13	PB48174BS	143747	5.00	573086	6.15	281858	7.87
14	PB48156BS	144758	5.00	579775	6.15	286391	7.87
15	PB48156BSD	149297	4.99	593562	6.15	298778	7.87
16	PB48156B	143688	5.00	557386	6.15	281842	7.87
17	PB48174B	142990	5.00	565370	6.15	286725	7.87
18	FIELD BLANK	156729	4.99	674293	6.15	351783	7.87
19	SS-2 (0-2)	125319	5.00	531494	6.15	268760	7.87
20	SS-3 (0-2)	139181	5.00	567237	6.15	283447	7.87



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/10/2010

Lab File ID: BE062510.D Time Analyzed: 11:45

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	136285	5	575053	6.15	288583	7.87
UPPER LIMIT	272570	5.5	1150106	6.65	577166	8.37
LOWER LIMIT	68142.5	4.5	287526.5	5.65	144291.5	7.37
EPA SAMPLE NO.						

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/10/2010

Lab File ID: BE062510.D Time Analyzed: 11:45

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	465249	9.55	351863	12.74	284584	14.77
	UPPER LIMIT	930498	10.05	703726	13.24	569168	15.27
	LOWER LIMIT	232624.5	9.05	175931.5	12.24	142292	14.27
	EPA SAMPLE NO.						
01	SS-3(0-2)MS	440581	9.55	305643	12.74	261267	14.77
02	SS-3(0-2)MSD	445134	9.55	313584	12.74	263012	14.77
03	SS-4(0-2)	441117	9.55	309504	12.74	272332	14.77
04	SS-5(0-2)	442363	9.55	316888	12.74	286849	14.77
05	SS-6(0-2)	441296	9.55	314271	12.74	274511	14.77
06	SS-8(0-2)	446127	9.55	316812	12.74	280043	14.77
07	SS-9(0-2)	448370	9.55	316106	12.74	276771	14.77
08	SS-10(0-2)	454236	9.55	296395	12.74	258688	14.77
09	SS-12(0-2)	426371	9.55	284052	12.74	238925	14.77
10	DUP-01	430955	9.55	295858	12.74	254963	14.77
11	SS-1(0-2)	464874	9.55	319555	12.74	282228	14.77
12	SS-7(0-2)	467769	9.55	318936	12.75	278082	14.77
13	PB48174BS	451326	9.55	325821	12.74	272858	14.78
14	PB48156BS	455085	9.55	344801	12.75	280461	14.77
15	PB48156BSD	475174	9.55	359021	12.74	293893	14.77
16	PB48156B	463049	9.54	325483	12.74	274794	14.77
17	PB48174B	461231	9.54	314218	12.74	272876	14.77
18	FIELD BLANK	583843	9.55	397959	12.74	333044	14.77
19	SS-2(0-2)	437038	9.55	287432	12.74	245901	14.77
20	SS-3(0-2)	436942	9.55	296509	12.74	260644	14.77



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/10/2010

Lab File ID: BE062510.D Time Analyzed: 11:45

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	465249	9.55	351863	12.74	284584	14.77
UPPER LIMIT	930498	10.05	703726	13.24	569168	15.27
LOWER LIMIT	232624.5	9.05	175931.5	12.24	142292	14.27
EPA SAMPLE NO.						

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.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/11/2010

Lab File ID: BE062539.D Time Analyzed: 11:29

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	148687	5	606071	6.15	298182	7.87
UPPER LIMIT	297374	5.5	1212142	6.65	596364	8.37
LOWER LIMIT	74343.5	4.5	303035.5	5.65	149091	7.37
EPA SAMPLE NO.						
01 SS-3(0-2)DL	142424	5.00	574060	6.15	284107	7.87

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/11/2010

Lab File ID: BE062539.D Time Analyzed: 11:29

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	499795	9.55	378480	12.75	311604	14.78
UPPER LIMIT	999590	10.05	756960	13.25	623208	15.28
LOWER LIMIT	249897.5	9.05	189240	12.25	155802	14.28
EPA SAMPLE NO.						
01 SS-3(0-2)DL	463116	9.55	350355	12.74	312375	14.77

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
 EPA Sample No.: SSTD040 Date Analyzed: 03/12/2010
 Lab File ID: BE062574.D Time Analyzed: 05:35
 Instrument ID: BNAE GC Column: RTX-5 SILM ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	234364	4.98	866511	6.14	402707	7.86
UPPER LIMIT	468728	5.48	1733022	6.64	805414	8.36000
LOWER LIMIT	117182	4.48	433255.5	5.64	201353.5	7.36
EPA SAMPLE NO.						
01 SS-11 (0-2)	177154	4.98	676169	6.14	303446	7.86

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/12/2010

Lab File ID: BE062574.D Time Analyzed: 05:35

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	610731	9.53	416566	12.73	321083	14.74
UPPER LIMIT	1221462	10.03	833132	13.23	642166	15.24
LOWER LIMIT	305365.5	9.03	208283	12.23	160541.5	14.24
EPA SAMPLE NO.						
01 SS-11 (0-2)	441577	9.53	257617	12.72	222187	14.74

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
 EPA Sample No.: SSTD040 Date Analyzed: 3/31/2010
 Lab File ID: BE062985.D Time Analyzed: 17:28
 Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	76280	4.82	272460	5.98	130312	7.67
UPPER LIMIT	152560	5.32	544920	6.48	260624	8.17
LOWER LIMIT	38140	4.32	136230	5.48	65156	7.17
EPA SAMPLE NO.						
01 PB48174BS	76160	4.82	275600	5.97	131067	7.67
02 PB48174BL	75947	4.82	280172	5.97	133544	7.66
03 SS-12(0-2)RE	64020	4.82	228869	5.98	104378	7.66
04 SS-10(0-2)RE	61044	4.82	220444	5.98	102101	7.67
05 SS-2(0-2)RE	57664	4.82	211533	5.98	101953	7.67
06 SS-3(0-2)RE	58706	4.82	219467	5.98	104243	7.67
07 SS-6(0-2)RE	59296	4.82	221938	5.97	105245	7.67
08 SS-5(0-2)RE	57960	4.82	212067	5.97	100115	7.67
09 SS-3(0-2)MSRE	57322	4.82	213193	5.98	103067	7.67
10 SS-3(0-2)MSDRE	57716	4.82	216808	5.98	101178	7.67

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 EPA Sample No.: SSTD040 Date Analyzed: 3/31/2010
 Lab File ID: BE062985.D Time Analyzed: 17:28
 Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	199311	9.33	147747	12.50	132187	14.39
UPPER LIMIT	398622	9.83	295494	13.00	264374	14.89
LOWER LIMIT	99656	8.83	73874	12.00	66094	13.89
EPA SAMPLE NO.						
01 PB48174BS	186844	9.33	134038	12.51	117238	14.39
02 PB48174BL	187256	9.33	143485	12.50	124133	14.38
03 SS-12(0-2)RE	149712	9.33	103629	12.51	91835	14.40
04 SS-10(0-2)RE	149479	9.33	103232	12.51	92096	14.40
05 SS-2(0-2)RE	153510	9.33	114218	12.50	96281	14.40
06 SS-3(0-2)RE	153622	9.33	111024	12.51	94239	14.40
07 SS-6(0-2)RE	156002	9.33	118887	12.51	96832	14.39
08 SS-5(0-2)RE	149844	9.33	118450	12.51	100036	14.39
09 SS-3(0-2)MSRE	155227	9.33	113434	12.51	99489	14.40
10 SS-3(0-2)MSDRE	156740	9.33	116598	12.51	99813	14.40

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
 EPA Sample No.: SSTD040 Date Analyzed: 4/1/2010
 Lab File ID: BE063010.D Time Analyzed: 14:19
 Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	56096	4.81	216953	5.96	109872	7.66
UPPER LIMIT	112192	5.31	433906	6.46	219744	8.16
LOWER LIMIT	28048	4.31	108477	5.46	54936	7.16
EPA SAMPLE NO.						
01 SS-1(0-2)RE	19279 *	4.81	71842 *	5.97	38052 *	7.66
02 DUP-01RE	18253 *	4.81	75815 *	5.96	38494 *	7.66
03 SS-9(0-2)RE	19747 *	4.81	81640 *	5.97	42414 *	7.66
04 SS-8(0-2)RE	20451 *	4.81	81316 *	5.97	41740 *	7.66
05 SS-7(0-2)RE	19376 *	4.81	77236 *	5.96	40654 *	7.66
06 SS-4(0-2)RE	24438 *	4.81	98216 *	5.97	50345 *	7.66
07 SS-11(0-2)RE	20192 *	4.81	83762 *	5.97	44859 *	7.66

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 EPA Sample No.: SSTD040 Date Analyzed: 4/1/2010
 Lab File ID: BE063010.D Time Analyzed: 14:19
 Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	171783	9.31	134017	12.50	118758	14.37
UPPER LIMIT	343566	9.81	268034	13.00	237516	14.87
LOWER LIMIT	85892	8.81	67009	12.00	59379	13.87
EPA SAMPLE NO.						
01 SS-1(0-2)RE	66125 *	9.31	68587	12.49	61261	14.37
02 DUP-01RE	68604 *	9.31	72226	12.49	62409	14.37
03 SS-9(0-2)RE	72192 *	9.31	75495	12.49	66837	14.37
04 SS-8(0-2)RE	73566 *	9.31	73680	12.49	63656	14.37
05 SS-7(0-2)RE	73520 *	9.31	71239	12.49	59582	14.37
06 SS-4(0-2)RE	87543	9.32	84746	12.50	72614	14.38
07 SS-11(0-2)RE	76273 *	9.32	68445	12.49	58488 *	14.37

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

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.

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-01
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 86.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5480			P
7440-36-0	Antimony	0.22	U		P
7440-38-2	Arsenic	2.150			P
7440-39-3	Barium	122			P
7440-41-7	Beryllium	0.23			P
7440-43-9	Cadmium	0.35			P
7440-70-2	Calcium	9030			P
7440-47-3	Chromium	13.5			P
7440-48-4	Cobalt	3.890			P
7440-50-8	Copper	22.5			P
7439-89-6	Iron	10400			P
7439-92-1	Lead	102			P
7439-95-4	Magnesium	4400			P
7439-96-5	Manganese	162			P
7439-97-6	Mercury	0.127			CV
7440-02-0	Nickel	9.810			P
7440-09-7	Potassium	609			P
7782-49-2	Selenium	1.440			P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	101			P
7440-28-0	Thallium	0.28			P
7440-62-2	Vanadium	19.5			P
7440-66-6	Zinc	93.0			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-02
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 92.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4260			P
7440-36-0	Antimony	0.42			P
7440-38-2	Arsenic	1.800			P
7440-39-3	Barium	674			P
7440-41-7	Beryllium	0.16			P
7440-43-9	Cadmium	0.12			P
7440-70-2	Calcium	453			P
7440-47-3	Chromium	9.540			P
7440-48-4	Cobalt	1.790			P
7440-50-8	Copper	55.3			P
7439-89-6	Iron	5530			P
7439-92-1	Lead	58.2			P
7439-95-4	Magnesium	446			P
7439-96-5	Manganese	78.3			P
7439-97-6	Mercury	0.024			CV
7440-02-0	Nickel	3.020			P
7440-09-7	Potassium	169			P
7782-49-2	Selenium	0.76			P
7440-22-4	Silver	0.03	U		P
7440-23-5	Sodium	48.9			P
7440-28-0	Thallium	0.12	U		P
7440-62-2	Vanadium	7.600			P
7440-66-6	Zinc	287			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-03
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6610			P
7440-36-0	Antimony	0.28	U		P
7440-38-2	Arsenic	2.150			P
7440-39-3	Barium	1620			P
7440-41-7	Beryllium	0.22			P
7440-43-9	Cadmium	0.31			P
7440-70-2	Calcium	602			P
7440-47-3	Chromium	18.9			P
7440-48-4	Cobalt	1.900			P
7440-50-8	Copper	69.6			P
7439-89-6	Iron	7570			P
7439-92-1	Lead	156			P
7439-95-4	Magnesium	487			P
7439-96-5	Manganese	79.3			P
7439-97-6	Mercury	0.034			CV
7440-02-0	Nickel	4.620			P
7440-09-7	Potassium	189			P
7782-49-2	Selenium	1.430			P
7440-22-4	Silver	0.06	U		P
7440-23-5	Sodium	88.4			P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	13.0			P
7440-66-6	Zinc	556			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-06
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 86.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6240			P
7440-36-0	Antimony	0.29	U		P
7440-38-2	Arsenic	2.670			P
7440-39-3	Barium	90.3			P
7440-41-7	Beryllium	0.31			P
7440-43-9	Cadmium	0.35			P
7440-70-2	Calcium	6350			P
7440-47-3	Chromium	17.1			P
7440-48-4	Cobalt	5.420			P
7440-50-8	Copper	20.3			P
7439-89-6	Iron	12500			P
7439-92-1	Lead	134			P
7439-95-4	Magnesium	2650			P
7439-96-5	Manganese	214			P
7439-97-6	Mercury	0.167			CV
7440-02-0	Nickel	12.8			P
7440-09-7	Potassium	679			P
7782-49-2	Selenium	1.750			P
7440-22-4	Silver	0.06	U		P
7440-23-5	Sodium	118			P
7440-28-0	Thallium	0.43			P
7440-62-2	Vanadium	21.2			P
7440-66-6	Zinc	88.0			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-07
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 91.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5940			P
7440-36-0	Antimony	0.81			P
7440-38-2	Arsenic	2.460			P
7440-39-3	Barium	2320			P
7440-41-7	Beryllium	0.20			P
7440-43-9	Cadmium	0.17			P
7440-70-2	Calcium	580			P
7440-47-3	Chromium	37.0			P
7440-48-4	Cobalt	2.730			P
7440-50-8	Copper	183			P
7439-89-6	Iron	7250			P
7439-92-1	Lead	245			P
7439-95-4	Magnesium	462			P
7439-96-5	Manganese	103			P
7439-97-6	Mercury	0.016			CV
7440-02-0	Nickel	3.480			P
7440-09-7	Potassium	192			P
7782-49-2	Selenium	1.410			P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	64.6			P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	11.1			P
7440-66-6	Zinc	621			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-08
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 89.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	850			P
7440-36-0	Antimony	0.24	U		P
7440-38-2	Arsenic	0.63			P
7440-39-3	Barium	78.9			P
7440-41-7	Beryllium	0.03	U		P
7440-43-9	Cadmium	0.11			P
7440-70-2	Calcium	633			P
7440-47-3	Chromium	5.200			P
7440-48-4	Cobalt	0.72			P
7440-50-8	Copper	8.960			P
7439-89-6	Iron	2150			P
7439-92-1	Lead	54.0			P
7439-95-4	Magnesium	347			P
7439-96-5	Manganese	36.0			P
7439-97-6	Mercury	0.033			CV
7440-02-0	Nickel	1.590			P
7440-09-7	Potassium	117			P
7782-49-2	Selenium	0.43			P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	56.8			P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	4.340			P
7440-66-6	Zinc	56.5			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-09
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 75.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8590			P
7440-36-0	Antimony	0.56			P
7440-38-2	Arsenic	2.270			P
7440-39-3	Barium	1180			P
7440-41-7	Beryllium	0.22			P
7440-43-9	Cadmium	0.52			P
7440-70-2	Calcium	3400			P
7440-47-3	Chromium	18.1			P
7440-48-4	Cobalt	1.890			P
7440-50-8	Copper	52.5			P
7439-89-6	Iron	11500			P
7439-92-1	Lead	140			P
7439-95-4	Magnesium	966			P
7439-96-5	Manganese	88.1			P
7439-97-6	Mercury	0.036			CV
7440-02-0	Nickel	5.380			P
7440-09-7	Potassium	390			P
7782-49-2	Selenium	1.860			P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	84.2			P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	17.2			P
7440-66-6	Zinc	687			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-10
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 93.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4090			P
7440-36-0	Antimony	0.97			P
7440-38-2	Arsenic	1.900			P
7440-39-3	Barium	1260			P
7440-41-7	Beryllium	0.14			P
7440-43-9	Cadmium	0.25			P
7440-70-2	Calcium	1690			P
7440-47-3	Chromium	52.4			P
7440-48-4	Cobalt	4.720			P
7440-50-8	Copper	95.3			P
7439-89-6	Iron	11900			P
7439-92-1	Lead	269			P
7439-95-4	Magnesium	1640			P
7439-96-5	Manganese	104			P
7439-97-6	Mercury	0.021			CV
7440-02-0	Nickel	3.820			P
7440-09-7	Potassium	258			P
7782-49-2	Selenium	1.760			P
7440-22-4	Silver	0.03	U		P
7440-23-5	Sodium	145			P
7440-28-0	Thallium	0.42			P
7440-62-2	Vanadium	30.5			P
7440-66-6	Zinc	341			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-11
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 92.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	323			P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	0.39			P
7440-39-3	Barium	20.4			P
7440-41-7	Beryllium	0.02	U		P
7440-43-9	Cadmium	0.08			P
7440-70-2	Calcium	372			P
7440-47-3	Chromium	3.180			P
7440-48-4	Cobalt	0.11	U		P
7440-50-8	Copper	3.540			P
7439-89-6	Iron	1160			P
7439-92-1	Lead	30.3			P
7439-95-4	Magnesium	157			P
7439-96-5	Manganese	16.7			P
7439-97-6	Mercury	0.018			CV
7440-02-0	Nickel	0.61			P
7440-09-7	Potassium	73.8			P
7782-49-2	Selenium	0.36			P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	34.4			P
7440-28-0	Thallium	0.14	U		P
7440-62-2	Vanadium	3.370			P
7440-66-6	Zinc	28.0			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-12
 Level (low/med): LOW Date Received: 3/9/2010
 % Solids: 73.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23100			P
7440-36-0	Antimony	3.520			P
7440-38-2	Arsenic	5.580			P
7440-39-3	Barium	0.00	OR		P
7440-41-7	Beryllium	0.54			P
7440-43-9	Cadmium	2.740			P
7440-70-2	Calcium	1430			P
7440-47-3	Chromium	66.4			P
7440-48-4	Cobalt	5.310			P
7440-50-8	Copper	1490			P
7439-89-6	Iron	44500			P
7439-92-1	Lead	991			P
7439-95-4	Magnesium	425			P
7439-96-5	Manganese	231			P
7439-97-6	Mercury	0.066			CV
7440-02-0	Nickel	32.5			P
7440-09-7	Potassium	594			P
7782-49-2	Selenium	4.850			P
7440-22-4	Silver	0.62			P
7440-23-5	Sodium	431			P
7440-28-0	Thallium	0.62			P
7440-62-2	Vanadium	68.6			P
7440-66-6	Zinc	3050			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
 Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)DL

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-12DL
 Level (low/med): LOW Date Received: 3/9/2010
 % Solids: 73.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26200		D	P
7440-36-0	Antimony	38.1	U	D	P
7440-38-2	Arsenic	15.2	U	D	P
7440-39-3	Barium	12100		D	P
7440-41-7	Beryllium	4.570	U	D	P
7440-43-9	Cadmium	4.570	U	D	P
7440-70-2	Calcium	1660		D	P
7440-47-3	Chromium	80.2		D	P
7440-48-4	Cobalt	22.8	U	D	P
7440-50-8	Copper	1920		D	P
7439-89-6	Iron	54200		D	P
7439-92-1	Lead	1080		D	P
7439-95-4	Magnesium	523	J	D	P
7439-96-5	Manganese	271		D	P
7440-02-0	Nickel	33.9		D	P
7440-09-7	Potassium	684	J	D	P
7782-49-2	Selenium	8.900	J	D	P
7440-22-4	Silver	7.610	U	D	P
7440-23-5	Sodium	960	J	D	P
7440-28-0	Thallium	30.4	U	D	P
7440-62-2	Vanadium	82.5		D	P
7440-66-6	Zinc	4290		D	P

Color Before: _____ Clarity Before: _____ Texture: _____
 Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-13
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 66.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11300			P
7440-36-0	Antimony	5.210			P
7440-38-2	Arsenic	10.4			P
7440-39-3	Barium	10230.81	OR		P
7440-41-7	Beryllium	0.52			P
7440-43-9	Cadmium	1.510			P
7440-70-2	Calcium	1270			P
7440-47-3	Chromium	344			P
7440-48-4	Cobalt	4.470			P
7440-50-8	Copper	787			P
7439-89-6	Iron	14100			P
7439-92-1	Lead	2210			P
7439-95-4	Magnesium	977			P
7439-96-5	Manganese	186			P
7439-97-6	Mercury	0.353			CV
7440-02-0	Nickel	21.8			P
7440-09-7	Potassium	355			P
7782-49-2	Selenium	3.600			P
7440-22-4	Silver	0.53			P
7440-23-5	Sodium	133			P
7440-28-0	Thallium	1.160			P
7440-62-2	Vanadium	102			P
7440-66-6	Zinc	1830			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)DL

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-13DL
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 66.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12700		D	P
7440-36-0	Antimony	68.0	U	D	P
7440-38-2	Arsenic	27.2	U	D	P
7440-39-3	Barium	12400		D	P
7440-41-7	Beryllium	8.170	U	D	P
7440-43-9	Cadmium	8.170	U	D	P
7440-70-2	Calcium	1580	J	D	P
7440-47-3	Chromium	423		D	P
7440-48-4	Cobalt	40.8	U	D	P
7440-50-8	Copper	999		D	P
7439-89-6	Iron	17000		D	P
7439-92-1	Lead	2480		D	P
7439-95-4	Magnesium	1210	J	D	P
7439-96-5	Manganese	226		D	P
7440-02-0	Nickel	24.5	J	D	P
7440-09-7	Potassium	461	J	D	P
7782-49-2	Selenium	27.2	U	D	P
7440-22-4	Silver	13.6	U	D	P
7440-23-5	Sodium	669	J	D	P
7440-28-0	Thallium	54.4	U	D	P
7440-62-2	Vanadium	126		D	P
7440-66-6	Zinc	2420		D	P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-14
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 56.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	1.970			P
7440-38-2	Arsenic	3.930			P
7440-39-3	Barium	3870			P
7440-41-7	Beryllium	0.26			P
7440-43-9	Cadmium	0.43			P
7440-70-2	Calcium	868			P
7440-47-3	Chromium	51.2			P
7440-48-4	Cobalt	2.270			P
7440-50-8	Copper	201			P
7439-89-6	Iron	12400			P
7439-92-1	Lead	434			P
7439-95-4	Magnesium	635			P
7439-96-5	Manganese	119			P
7439-97-6	Mercury	0.100			CV
7440-02-0	Nickel	7.380			P
7440-09-7	Potassium	371			P
7782-49-2	Selenium	3.070			P
7440-22-4	Silver	0.34			P
7440-23-5	Sodium	117			P
7440-28-0	Thallium	0.41			P
7440-62-2	Vanadium	35.6			P
7440-66-6	Zinc	407			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-15
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	297			P
7440-36-0	Antimony	0.19	U		P
7440-38-2	Arsenic	0.67			P
7440-39-3	Barium	20.4			P
7440-41-7	Beryllium	0.02	U		P
7440-43-9	Cadmium	0.09			P
7440-70-2	Calcium	364			P
7440-47-3	Chromium	2.880			P
7440-48-4	Cobalt	0.11	U		P
7440-50-8	Copper	3.700			P
7439-89-6	Iron	1280			P
7439-92-1	Lead	35.7			P
7439-95-4	Magnesium	141			P
7439-96-5	Manganese	17.2			P
7439-97-6	Mercury	0.023			CV
7440-02-0	Nickel	0.60			P
7440-09-7	Potassium	68.0			P
7782-49-2	Selenium	0.59			P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	38.6			P
7440-28-0	Thallium	0.15	U		P
7440-62-2	Vanadium	2.370			P
7440-66-6	Zinc	28.1			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): WATER Lab Sample ID: B1546-16
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	50.0	U		P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	50.0	U		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	3.000	U		P
7440-70-2	Calcium	1000	U		P
7440-47-3	Chromium	5.000	U		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	50.0	U		P
7439-92-1	Lead	6.000	U		P
7439-95-4	Magnesium	1000	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	1000	U		P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	DUP-01							
B1546-15	DUP-01	SOIL	Aluminum	297		0.38	0.63	mg/Kg
B1546-15	DUP-01	SOIL	Arsenic	0.67		0.08	0.25	mg/Kg
B1546-15	DUP-01	SOIL	Barium	20.4		0.38	0.30	mg/Kg
B1546-15	DUP-01	SOIL	Cadmium	0.09		0.02	0.05	mg/Kg
B1546-15	DUP-01	SOIL	Calcium	364		7.510	0.80	mg/Kg
B1546-15	DUP-01	SOIL	Chromium	2.880		0.04	0.10	mg/Kg
B1546-15	DUP-01	SOIL	Copper	3.700		0.08	0.24	mg/Kg
B1546-15	DUP-01	SOIL	Iron	1280		0.38	1.000	mg/Kg
B1546-15	DUP-01	SOIL	Lead	35.7		0.05	0.29	mg/Kg
B1546-15	DUP-01	SOIL	Magnesium	141		7.510	3.440	mg/Kg
B1546-15	DUP-01	SOIL	Manganese	17.2		0.08	0.14	mg/Kg
B1546-15	DUP-01	SOIL	Mercury	0.023		0.011	0.002	mg/Kg
B1546-15	DUP-01	SOIL	Nickel	0.60		0.15	0.35	mg/Kg
B1546-15	DUP-01	SOIL	Potassium	68.0		7.510	2.630	mg/Kg
B1546-15	DUP-01	SOIL	Selenium	0.59		0.08	0.31	mg/Kg
B1546-15	DUP-01	SOIL	Sodium	38.6		7.510	1.890	mg/Kg
B1546-15	DUP-01	SOIL	Vanadium	2.370		0.15	0.44	mg/Kg
B1546-15	DUP-01	SOIL	Zinc	28.1		0.15	0.53	mg/Kg
Client ID:	SS-1(0-2)							
B1546-01	SS-1(0-2)	SOIL	Aluminum	5480		0.44	0.74	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Arsenic	2.150		0.09	0.29	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Barium	122		0.44	0.35	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Beryllium	0.23		0.03	0.05	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Cadmium	0.35		0.03	0.05	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Calcium	9030		8.850	0.95	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Chromium	13.5		0.04	0.12	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Cobalt	3.890		0.13	0.50	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Copper	22.5		0.09	0.28	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Iron	10400		0.44	1.180	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Lead	102		0.05	0.35	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Magnesium	4400		8.850	4.050	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Manganese	162		0.09	0.17	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Mercury	0.127		0.012	0.002	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Nickel	9.810		0.18	0.41	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Potassium	609		8.850	3.100	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Selenium	1.440		0.09	0.36	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Sodium	101		8.850	2.230	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Thallium	0.28		0.18	0.24	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Vanadium	19.5		0.18	0.52	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Zinc	93.0		0.18	0.62	mg/Kg

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SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-10(0-2)							
B1546-12	SS-10(0-2)	SOIL	Aluminum	23100	OR	0.38	0.64	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Antimony	3.520		0.19	0.43	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Arsenic	5.580		0.08	0.25	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Barium	0.00		0.38	0.30	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Beryllium	0.54		0.02	0.05	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Cadmium	2.740		0.02	0.05	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Calcium	1430		7.610	0.81	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Chromium	66.4		0.04	0.10	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Cobalt	5.310		0.11	0.43	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Copper	1490		0.08	0.24	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Iron	44500		0.38	1.010	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Lead	991		0.05	0.30	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Magnesium	425		7.610	3.490	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Manganese	231		0.08	0.14	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Mercury	0.066		0.014	0.002	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Nickel	32.5		0.15	0.35	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Potassium	594		7.610	2.660	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Selenium	4.850		0.08	0.31	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Silver	0.62		0.04	0.11	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Sodium	431		7.610	1.920	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Thallium	0.62		0.15	0.21	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Vanadium	68.6		0.15	0.45	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Zinc	3050		0.15	0.53	mg/Kg
Client ID:	SS-10(0-2)DL							
B1546-12DL	SS-10(0-2)DL	SOIL	Aluminum	26200	J	76.1	12.8	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Barium	12100		76.1	6.090	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Calcium	1660		1520	16.3	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Chromium	80.2		7.610	1.980	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Copper	1920		15.2	4.870	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Iron	54200		76.1	20.2	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Lead	1080		9.130	5.940	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Magnesium	523		1520	69.7	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Manganese	271		15.2	2.890	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Nickel	33.9		30.4	7.000	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Potassium	684		1520	53.3	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Selenium	8.900		15.2	6.240	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Sodium	960		1520	38.4	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Vanadium	82.5		30.4	8.980	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Zinc	4290		30.4	10.7	mg/Kg

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SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-11(0-2)							
B1546-13	SS-11(0-2)	SOIL	Aluminum	11300	OR	0.68	1.140	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Antimony	5.210		0.34	0.76	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Arsenic	10.4		0.14	0.45	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Barium	10230.81		6.80457	.5443	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Beryllium	0.52		0.04	0.08	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Cadmium	1.510		0.04	0.08	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Calcium	1270		13.6	1.460	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Chromium	344		0.07	0.18	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Cobalt	4.470		0.20	0.78	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Copper	787		0.14	0.44	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Iron	14100		0.68	1.810	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Lead	2210		0.08	0.53	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Magnesium	977		13.6	6.230	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Manganese	186		0.14	0.26	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Mercury	0.353		0.015	0.003	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Nickel	21.8		0.27	0.63	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Potassium	355		13.6	4.760	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Selenium	3.600		0.14	0.56	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Silver	0.53		0.07	0.20	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Sodium	133		13.6	3.430	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Thallium	1.160	0.27	0.37	mg/Kg	
B1546-13	SS-11(0-2)	SOIL	Vanadium	102	0.27	0.80	mg/Kg	
B1546-13	SS-11(0-2)	SOIL	Zinc	1830	0.27	0.95	mg/Kg	
Client ID:	SS-11(0-2)DL							
B1546-13DL	SS-11(0-2)DL	SOIL	Aluminum	12700	J	136	22.9	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Barium	12400		136	10.9	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Calcium	1580		2720	29.1	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Chromium	423		13.6	3.540	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Copper	999		27.2	8.710	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Iron	17000		136	36.2	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Lead	2480		16.3	10.6	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Magnesium	1210		2720	125	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Manganese	226		27.2	5.170	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Nickel	24.5		54.4	12.5	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Potassium	461		2720	95.3	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Sodium	669		2720	68.6	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Vanadium	126		54.4	16.1	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Zinc	2420		54.4	19.1	mg/Kg

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SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-12(0-2)							
B1546-14	SS-12(0-2)	SOIL	Aluminum	12600		0.68	1.150	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Antimony	1.970		0.34	0.77	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Arsenic	3.930		0.14	0.45	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Barium	3870		0.68	0.55	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Beryllium	0.26		0.04	0.08	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Cadmium	0.43		0.04	0.08	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Calcium	868		13.7	1.460	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Chromium	51.2		0.07	0.18	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Cobalt	2.270		0.21	0.78	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Copper	201		0.14	0.44	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Iron	12400		0.68	1.820	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Lead	434		0.08	0.53	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Magnesium	635		13.7	6.270	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Manganese	119		0.14	0.26	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Mercury	0.100		0.018	0.003	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Nickel	7.380		0.27	0.63	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Potassium	371		13.7	4.790	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Selenium	3.070		0.14	0.56	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Silver	0.34		0.07	0.21	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Sodium	117		13.7	3.450	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Thallium	0.41		0.27	0.37	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Vanadium	35.6		0.27	0.81	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Zinc	407		0.27	0.96	mg/Kg

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SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-2(0-2)							
B1546-02	SS-2(0-2)	SOIL	Aluminum	4260		0.30	0.50	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Antimony	0.42		0.15	0.33	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Arsenic	1.800		0.06	0.20	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Barium	674		0.30	0.24	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Beryllium	0.16		0.02	0.04	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Cadmium	0.12		0.02	0.04	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Calcium	453		5.910	0.63	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Chromium	9.540		0.03	0.08	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Cobalt	1.790		0.09	0.34	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Copper	55.3		0.06	0.19	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Iron	5530		0.30	0.79	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Lead	58.2		0.04	0.23	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Magnesium	446		5.910	2.710	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Manganese	78.3		0.06	0.11	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Mercury	0.024		0.011	0.002	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Nickel	3.020		0.12	0.27	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Potassium	169		5.910	2.070	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Selenium	0.76		0.06	0.24	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Sodium	48.9		5.910	1.490	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Vanadium	7.600		0.12	0.35	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Zinc	287		0.12	0.41	mg/Kg

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SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-3(0-2)							
B1546-03	SS-3(0-2)	SOIL	Aluminum	6610		0.56	0.95	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Arsenic	2.150		0.11	0.37	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Barium	1620		0.56	0.45	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Beryllium	0.22		0.03	0.07	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Cadmium	0.31		0.03	0.07	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Calcium	602		11.3	1.200	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Chromium	18.9		0.06	0.15	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Cobalt	1.900		0.17	0.64	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Copper	69.6		0.11	0.36	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Iron	7570		0.56	1.500	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Lead	156		0.07	0.44	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Magnesium	487		11.3	5.160	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Manganese	79.3		0.11	0.21	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Mercury	0.034		0.011	0.002	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Nickel	4.620		0.23	0.52	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Potassium	189		11.3	3.940	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Selenium	1.430		0.11	0.46	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Sodium	88.4		11.3	2.840	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Vanadium	13.0		0.23	0.66	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Zinc	556		0.23	0.79	mg/Kg

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SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-4(0-2)							
B1546-06	SS-4(0-2)	SOIL	Aluminum	6240		0.58	0.97	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Arsenic	2.670		0.12	0.38	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Barium	90.3		0.58	0.46	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Beryllium	0.31		0.03	0.07	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Cadmium	0.35		0.03	0.07	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Calcium	6350		11.6	1.240	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Chromium	17.1		0.06	0.15	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Cobalt	5.420		0.17	0.66	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Copper	20.3		0.12	0.37	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Iron	12500		0.58	1.540	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Lead	134		0.07	0.45	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Magnesium	2650		11.6	5.300	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Manganese	214		0.12	0.22	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Mercury	0.167		0.012	0.002	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Nickel	12.8		0.23	0.53	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Potassium	679		11.6	4.050	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Selenium	1.750		0.12	0.47	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Sodium	118		11.6	2.920	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Thallium	0.43		0.23	0.31	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Vanadium	21.2		0.23	0.68	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Zinc	88.0		0.23	0.81	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-5(0-2)							
B1546-07	SS-5(0-2)	SOIL	Aluminum	5940		0.49	0.82	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Antimony	0.81		0.24	0.54	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Arsenic	2.460		0.10	0.32	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Barium	2320		0.49	0.39	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Beryllium	0.20		0.03	0.06	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Cadmium	0.17		0.03	0.06	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Calcium	580		9.720	1.040	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Chromium	37.0		0.05	0.13	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Cobalt	2.730		0.15	0.55	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Copper	183		0.10	0.31	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Iron	7250		0.49	1.290	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Lead	245		0.06	0.38	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Magnesium	462		9.720	4.450	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Manganese	103		0.10	0.18	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Mercury	0.016		0.011	0.002	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Nickel	3.480		0.19	0.45	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Potassium	192		9.720	3.400	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Selenium	1.410		0.10	0.40	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Sodium	64.6		9.720	2.450	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Vanadium	11.1		0.19	0.57	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Zinc	621		0.19	0.68	mg/Kg
Client ID:	SS-6(0-2)							
B1546-08	SS-6(0-2)	SOIL	Aluminum	850		0.48	0.80	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Arsenic	0.63		0.10	0.31	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Barium	78.9		0.48	0.38	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Cadmium	0.11		0.03	0.06	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Calcium	633		9.520	1.020	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Chromium	5.200		0.05	0.12	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Cobalt	0.72		0.14	0.54	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Copper	8.960		0.10	0.30	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Iron	2150		0.48	1.270	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Lead	54.0		0.06	0.37	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Magnesium	347		9.520	4.360	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Manganese	36.0		0.10	0.18	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Mercury	0.033		0.011	0.002	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Nickel	1.590		0.19	0.44	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Potassium	117		9.520	3.330	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Selenium	0.43		0.10	0.39	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Sodium	56.8		9.520	2.400	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Vanadium	4.340		0.19	0.56	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Zinc	56.5		0.19	0.67	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-7(0-2)							
B1546-09	SS-7(0-2)	SOIL	Aluminum	8590		0.47	0.78	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Antimony	0.56		0.23	0.52	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Arsenic	2.270		0.09	0.31	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Barium	1180		0.47	0.37	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Beryllium	0.22		0.03	0.06	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Cadmium	0.52		0.03	0.06	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Calcium	3400		9.320	1.000	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Chromium	18.1		0.05	0.12	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Cobalt	1.890		0.14	0.53	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Copper	52.5		0.09	0.30	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Iron	11500		0.47	1.240	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Lead	140		0.06	0.36	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Magnesium	966		9.320	4.270	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Manganese	88.1		0.09	0.18	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Mercury	0.036		0.013	0.003	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Nickel	5.380		0.19	0.43	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Potassium	390		9.320	3.260	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Selenium	1.860		0.09	0.38	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Sodium	84.2		9.320	2.350	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Vanadium	17.2		0.19	0.55	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Zinc	687		0.19	0.65	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-8(0-2)							
B1546-10	SS-8(0-2)	SOIL	Aluminum	4090		0.34	0.57	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Antimony	0.97		0.17	0.38	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Arsenic	1.900		0.07	0.22	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Barium	1260		0.34	0.27	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Beryllium	0.14		0.02	0.04	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Cadmium	0.25		0.02	0.04	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Calcium	1690		6.800	0.73	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Chromium	52.4		0.03	0.09	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Cobalt	4.720		0.10	0.39	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Copper	95.3		0.07	0.22	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Iron	11900		0.34	0.90	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Lead	269		0.04	0.27	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Magnesium	1640		6.800	3.110	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Manganese	104		0.07	0.13	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Mercury	0.021		0.011	0.002	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Nickel	3.820		0.14	0.31	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Potassium	258		6.800	2.380	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Selenium	1.760		0.07	0.28	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Sodium	145		6.800	1.710	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Thallium	0.42		0.14	0.18	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Vanadium	30.5		0.14	0.40	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Zinc	341		0.14	0.48	mg/Kg
Client ID:	SS-9(0-2)							
B1546-11	SS-9(0-2)	SOIL	Aluminum	323		0.36	0.60	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Arsenic	0.39		0.07	0.24	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Barium	20.4		0.36	0.29	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Cadmium	0.08		0.02	0.04	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Calcium	372		7.190	0.77	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Chromium	3.180		0.04	0.09	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Copper	3.540		0.07	0.23	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Iron	1160		0.36	0.96	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Lead	30.3		0.04	0.28	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Magnesium	157		7.190	3.290	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Manganese	16.7		0.07	0.14	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Mercury	0.018		0.011	0.002	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Nickel	0.61		0.14	0.33	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Potassium	73.8		7.190	2.520	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Selenium	0.36		0.07	0.29	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Sodium	34.4		7.190	1.810	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Vanadium	3.370		0.14	0.42	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Zinc	28.0		0.14	0.50	mg/Kg

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	50.0	U	28.6	J	38.4	J	23.2	J	50.000	U	P
Antimony	25.0	U	25.0	U	25.0	U	25.0	U	25.000	U	P
Arsenic	10.0	U	4.3	J	10.0	U	10.0	U	10.000	U	P
Barium	50.0	U	50.0	U	50.0	U	7.3	J	50.000	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Cadmium	3.0	U	0.9	J	1.0	J	2.0	J	3.000	U	P
Calcium	1000.0	U	53.0	J	40.2	J	45.0	J	1000.000	U	P
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	1.100	U	P
Cobalt	15.0	U	15.0	U	15.0	U	15.0	U	15.000	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Iron	50.0	U	50.0	U	50.0	U	50.0	U	50.000	U	P
Lead	6.0	U	6.0	U	6.0	U	4.0	J	6.000	U	P
Magnesium	1000.0	U	40.6	J	59.9	J	62.9	J	1000.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	2.0	J	10.000	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.010	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Potassium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Selenium	10.0	U	5.2	J	10.0	U	10.0	U	10.000	U	P
Silver	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Sodium	1000.0	U	1000.0	U	1000.0	U	15.7	J	1000.000	U	P
Thallium	20.0	U	6.1	J	5.1	J	5.7	J	20.000	U	P
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Zinc	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U	0.500	U	P
Antimony			25.0	U	25.0	U	25.0	U	0.250	U	P
Arsenic			10.0	U	10.0	U	10.0	U	0.100	U	P
Barium			50.0	U	50.0	U	50.0	U	0.500	U	P
Beryllium			3.0	U	3.0	U	3.0	U	0.030	U	P
Cadmium			3.0	U	3.0	U	3.0	U	0.030	U	P
Calcium			1000.0	U	1000.0	U	1000.0	U	10.000	U	P
Chromium			5.0	U	-1.2	J	5.0	U	0.050	U	P
Cobalt			15.0	U	15.0	U	15.0	U	0.150	U	P
Copper			10.0	U	10.0	U	10.0	U	0.100	U	P
Iron			50.0	U	50.0	U	50.0	U	0.500	U	P
Lead			6.0	U	6.0	U	6.0	U	0.060	U	P
Magnesium			1000.0	U	1000.0	U	1000.0	U	10.000	U	P
Manganese			10.0	U	10.0	U	10.0	U	0.100	U	P
Mercury			0.200	U	0.200	U	0.200	U			CV
Nickel			20.0	U	20.0	U	20.0	U	0.200	U	P
Potassium			1000.0	U	1000.0	U	1000.0	U	10.000	U	P
Selenium			10.0	U	10.0	U	10.0	U	0.100	U	P
Silver			5.0	U	5.0	U	5.0	U	0.050	U	P
Sodium			1000.0	U	1000.0	U	1000.0	U	10.000	U	P
Thallium			20.0	U	2.5	J	20.0	U	0.200	U	P
Vanadium			20.0	U	20.0	U	20.0	U	0.200	U	P
Zinc			20.0	U	20.0	U	20.0	U	0.200	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U			P
Antimony			25.0	U	25.0	U	25.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			50.0	U	50.0	U	50.0	U			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			3.0	U	3.0	U	3.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	-1.4	J			P
Cobalt			15.0	U	15.0	U	15.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron			50.0	U	50.0	U	50.0	U			P
Lead			6.0	U	6.0	U	6.0	U			P
Magnesium			1000.0	U	1000.0	U	1000.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Mercury			0.200	U	0.200	U	0.200	U			CV
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			1000.0	U	1000.0	U	1000.0	U			P
Selenium			10.0	U	10.0	U	10.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			14.9	J	1000.0	U	1000.0	U			P
Thallium			20.0	U	20.0	U	20.0	U			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	50.0	U	9.6	J	7.3	J	8.1	J			P
Antimony	25.0	U	25.0	U	25.0	U	25.0	U			P
Arsenic	10.0	U	10.0	U	10.0	U	10.0	U			P
Barium	50.0	U	50.0	U	50.0	U	50.0	U			P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U			P
Cadmium	3.0	U	3.0	U	3.0	U	3.0	U			P
Calcium	1000.0	U	1000.0	U	1000.0	U	1000.0	U			P
Chromium	-1.3	J	-1.2	J	-1.3	J	-1.3	J			P
Cobalt	15.0	U	15.0	U	15.0	U	15.0	U			P
Copper	10.0	U	10.0	U	10.0	U	10.0	U			P
Iron	50.0	U	50.0	U	50.0	U	50.0	U			P
Lead	6.0	U	6.0	U	6.0	U	6.0	U			P
Magnesium	1000.0	U	1000.0	U	1000.0	U	1000.0	U			P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U			P
Mercury	0.20	U	0.09	J	0.20	U	0.10	J	0.200	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U			P
Potassium	1000.0	U	1000.0	U	1000.0	U	1000.0	U			P
Selenium	10.0	U	10.0	U	10.0	U	10.0	U			P
Silver	5.0	U	5.0	U	5.0	U	5.0	U			P
Sodium	1000.0	U	1000.0	U	15.0	J	868.9	J			P
Thallium	20.0	U	4.2	J	20.0	U	2.5	J			P
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U			P
Zinc	20.0	U	20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U			P
Antimony			25.0	U	25.0	U	25.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			50.0	U	50.0	U	-4.5	J			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			3.0	U	3.0	U	3.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	5.0	U			P
Cobalt			15.0	U	15.0	U	15.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron			50.0	U	50.0	U	50.0	U			P
Lead			6.0	U	6.0	U	6.0	U			P
Magnesium			1000.0	U	1000.0	U	1000.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Mercury			0.20	U	0.20	U	0.20	U			CV
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			1000.0	U	1000.0	U	1000.0	U			P
Selenium			10.0	U	10.0	U	10.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			171.3	J	151.9	J	145.1	J			P
Thallium			2.8	J	4.2	J	3.6	J			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U					P
Antimony			25.0	U	25.0	U					P
Arsenic			10.0	U	10.0	U					P
Barium			50.0	U	50.0	U					P
Beryllium			3.0	U	3.0	U					P
Cadmium			3.0	U	3.0	U					P
Calcium			1000.0	U	1000.0	U					P
Chromium			5.0	U	5.0	U					P
Cobalt			15.0	U	15.0	U					P
Copper			10.0	U	10.0	U					P
Iron			50.0	U	50.0	U					P
Lead			6.0	U	6.0	U					P
Magnesium			1000.0	U	1000.0	U					P
Manganese			10.0	U	10.0	U					P
Mercury			0.10	J							CV
Nickel			20.0	U	20.0	U					P
Potassium			1000.0	U	1000.0	U					P
Selenium			10.0	U	10.0	U					P
Silver			5.0	U	5.0	U					P
Sodium			104.7	J	128.1	J					P
Thallium			4.6	J	4.2	J					P
Vanadium			20.0	U	20.0	U					P
Zinc			20.0	U	20.0	U					P

Metals
4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
 ICP-MS Instrument ID: P4 ICS Source: INOR-VEN
 Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Aluminum	244100	241100	224000	91.8	228000	94.6
Antimony	0	589	3.9		560	95.1
Arsenic	0	101	10.5		100	99.0
Barium	0	495	4.2		472	95.4
Beryllium	0	475	0.97		459	96.6
Cadmium	0	940	1.9		926	98.5
Calcium	234900	231100	228000	97.1	232000	100.4
Chromium	43	511	38.9	90.5	499	97.7
Cobalt	0	461	4.2		462	100.2
Copper	0	548	4.6		450	82.1
Iron	95600	94800	88900	93.0	90600	95.6
Lead	0	61	6.1		54.0	88.5
Magnesium	247500	251100	241000	97.4	245000	97.6
Manganese	19	502	19.0	100.0	485	96.6
Nickel	0	984	17.3		947	96.2
Potassium	0		11.6		32.1	
Selenium	0	53	11.0		54.4	102.6
Silver	0	206	-0.22		199	96.6
Sodium	0		745		755	
Thallium	0	103	-0.75		95.6	92.8
Vanadium	0	494	3.0		452	91.5
Zinc	0	1028	26.7		912	88.7

Metals
4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
 ICP-MS Instrument ID: P4 ICS Source: INOR-VEN
 Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Aluminum	244100	241100	231000	94.6	234000	97.1
Antimony	0	589	3.7		577	98.0
Arsenic	0	101	7.0		96.4	95.4
Barium	0	495	-0.050		474	95.8
Beryllium	0	475	1.0		478	100.6
Cadmium	0	940	2.5		950	101.1
Calcium	234900	231100	238000	101.3	238000	103.0
Chromium	43	511	39.8	92.6	500	97.8
Cobalt	0	461	4.7		472	102.4
Copper	0	548	3.6		455	83.0
Iron	95600	94800	91200	95.4	91300	96.3
Lead	0	61	5.9		55.0	90.2
Magnesium	247500	251100	249000	100.6	249000	99.2
Manganese	19	502	19.3	101.6	486	96.8
Nickel	0	984	18.2		962	97.8
Potassium	0		-0.23		6.4	
Selenium	0	53	9.2		53.6	101.1
Silver	0	206	-0.14		198	96.1
Sodium	0		774		768	
Thallium	0	103	2.4		100	97.1
Vanadium	0	494	2.6		468	94.7
Zinc	0	1028	28.4		945	91.9

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-3(0-2)S

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1546

NRAS No.: B1546 SDG NO.: B1546

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		6646.1710		6612.6130		225.23	14.9		P
Antimony	47 - 131	83.2140		0.2815	U	90.09	92.4		P
Arsenic	73 - 114	84.9583		2.1509		90.09	91.9		P
Barium		1594.0320		1624.2120		22.52	-134.0		P
Beryllium	79 - 112	19.7827		0.2230		22.52	86.9		P
Cadmium	73 - 114	20.8829		0.3097		22.52	91.4		P
Calcium		692.7028		602.2072		112.61	80.4		P
Chromium	68 - 122	61.1509		18.9077		45.05	93.8		P
Cobalt	68 - 119	22.8649		1.9032		22.52	93.1		P
Copper	59 - 132	98.0552		69.6194		33.78	84.2		P
Iron		7676.3520		7566.6670		337.84	32.5		P
Lead	66 - 125	252.0496		155.5293		112.61	85.7		P
Magnesium	10 - 208	673.9415		487.2748		225.23	82.9		P
Manganese	10 - 205	98.4437		79.2568		22.52	85.2		P
Mercury	34 - 153	0.2511		0.0340		0.23	94.4		CV
Nickel	64 - 129	57.3671		4.6182		56.31	93.7		P
Potassium	37 - 158	1230.7430		188.7951		1126.13	92.5		P
Selenium	69 - 105	196.2725		1.4336		225.23	86.5		P
Silver	54 - 131	7.6126		0.0563	U	8.45	90.1		P
Sodium	10 - 139	391.8469		88.3874		337.84	89.8		P
Thallium	74 - 116	196.8919		0.2252	U	225.23	87.4		P
Vanadium	67 - 127	43.3829		12.9685		33.78	90.0		P
Zinc		556.3964		555.5856		22.52	3.6		P

Comments:

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-3(0-2)SD

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1546

NRAS No.: B1546 SDG NO.: B1546

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		6746.6220		6612.6130		225.23	59.5		P
Antimony	47 - 131	82.1948		0.2815	U	90.09	91.2		P
Arsenic	73 - 114	82.5068		2.1509		90.09	89.2		P
Barium		1640.8780		1624.2120		22.52	74.0		P
Beryllium	79 - 112	19.7669		0.2230		22.52	86.8		P
Cadmium	73 - 114	20.3367		0.3097		22.52	88.9		P
Calcium		700.0113		602.2072		112.61	86.9		P
Chromium	68 - 122	60.2399		18.9077		45.05	91.7		P
Cobalt	68 - 119	22.3412		1.9032		22.52	90.8		P
Copper	59 - 132	98.1464		69.6194		33.78	84.4		P
Iron		7729.2790		7566.6670		337.84	48.1		P
Lead	66 - 125	249.2004		155.5293		112.61	83.2		P
Magnesium	10 - 208	674.4595		487.2748		225.23	83.1		P
Manganese		98.2860		79.2568		22.52	84.5		P
Mercury	34 - 153	0.2461		0.0340		0.23	92.2		CV
Nickel	64 - 129	55.7095		4.6182		56.31	90.7		P
Potassium	37 - 158	1218.2430		188.7951		1126.13	91.4		P
Selenium	69 - 105	193.2207		1.4336		225.23	85.2		P
Silver	54 - 131	7.3232		0.0563	U	8.45	86.7		P
Sodium	10 - 139	392.7815		88.3874		337.84	90.1		P
Thallium	74 - 116	192.2297		0.2252	U	225.23	85.3		P
Vanadium	67 - 127	43.3108		12.9685		33.78	89.8		P
Zinc		561.7343		555.5856		22.52	27.3		P

Comments:

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

SS-3(0-2)D

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546NRAS No.: B1546 SDG NO.: B1546Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 88.8% Solids for Duplicate: 88.8Concentration Units:(ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		6612.6130	6530.4060	1.3		P
Antimony	0.2815	0.2815 U	0.8176	200.0		P
Arsenic		2.1509	2.0766	3.5		P
Barium		1624.2120	1614.1890	0.6		P
Beryllium		0.2230	0.2140	4.1		P
Cadmium		0.3097	0.3255	5.0		P
Calcium		602.2072	598.1419	0.7		P
Chromium		18.9077	18.9110	0.0		P
Cobalt		1.9032	1.8480	2.9		P
Copper		69.6194	69.2691	0.5		P
Iron		7566.6670	7537.0500	0.4		P
Lead		155.5293	155.1577	0.2		P
Magnesium		487.2748	483.3897	0.8		P
Manganese		79.2568	79.2646	0.0		P
Mercury	0.0113	0.0340	0.0383	11.9		CV
Nickel		4.6182	4.6768	1.3		P
Potassium		188.7951	189.5496	0.4		P
Selenium		1.4336	1.5721	9.2		P
Silver		0.0563 U	0.0563 U			P
Sodium		88.3874	88.3987	0.0		P
Thallium		0.2252 U	0.2252 U			P
Vanadium		12.9685	13.0518	0.6		P
Zinc		555.5856	555.7095	0.0		P

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

SS-3(0-2)SD

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546NRAS No.: B1546 SDG NO.: B1546Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 88.8% Solids for Duplicate: 88.8Concentration Units:(ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		6646.1710	6746.6220	1.5		P
Antimony		83.2140	82.1948	1.2		P
Arsenic		84.9583	82.5068	2.9		P
Barium		1594.0320	1640.8780	2.9		P
Beryllium		19.7827	19.7669	0.1		P
Cadmium		20.8829	20.3367	2.7		P
Calcium		692.7028	700.0113	1.0		P
Chromium		61.1509	60.2399	1.5		P
Cobalt		22.8649	22.3412	2.3		P
Copper		98.0552	98.1464	0.1		P
Iron		7676.3520	7729.2790	0.7		P
Lead		252.0496	249.2004	1.1		P
Magnesium		673.9415	674.4595	0.1		P
Manganese		98.4437	98.2860	0.2		P
Mercury		0.2511	0.2461	2.0		CV
Nickel		57.3671	55.7095	2.9		P
Potassium		1230.7430	1218.2430	1.0		P
Selenium		196.2725	193.2207	1.6		P
Silver		7.6126	7.3232	3.9		P
Sodium		391.8469	392.7815	0.2		P
Thallium		196.8919	192.2297	2.4		P
Vanadium		43.3829	43.3108	0.2		P
Zinc		556.3964	561.7343	1.0		P

Metals

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1546 NRAS No: B1546 SDG NO.: B1546
 Solid LCS Source: INOR-VEN
 Aqueous LCS Source: INOR-VEN

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Aluminum	2000.0	1747.90	87.4	200.0	175.0		76.0	118.0	87.5
Antimony	800.0	749.66	93.7	80.0	74.8		81.0	112.0	93.5
Arsenic	800.0	746.42	93.3	80.0	74.2		82.0	112.0	92.8
Barium	200.0	191.88	95.9	20.0	19.4		83.0	118.0	97.0
Beryllium	200.0	179.13	89.6	20.0	17.9		84.0	113.0	89.5
Cadmium	200.0	181.88	90.9	20.0	18.1		82.0	117.0	90.5
Calcium	1000.0	943.47	94.3	100.0	96.6		78.0	138.0	96.6
Chromium	400.0	397.78	99.4	40.0	39.8		84.0	115.0	99.5
Cobalt	200.0	184.15	92.1	20.0	18.3		84.0	114.0	91.5
Copper	300.0	288.04	96.0	30.0	29.0		80.0	115.0	96.7
Iron	3000.0	2893.60	96.5	300.0	290.5		78.0	109.0	96.8
Lead	1000.0	897.67	89.8	100.0	88.6		82.0	117.0	88.6
Magnesium	2000.0	1851.10	92.6	200.0	184.1		80.0	121.0	92.0
Manganese	200.0	193.40	96.7	20.0	19.4		84.0	114.0	97.0
Mercury	4.000	4.400	110.0	0.200	0.192		73.0	121.0	96.0
Nickel	500.0	465.85	93.2	50.0	46.1		85.0	118.0	92.2
Potassium	10000.0	9535.80	95.4	1000.0	958.0		67.0	116.0	95.8
Selenium	2000.0	1777.40	88.9	200.0	176.5		74.0	110.0	88.2
Silver	75.0	69.27	92.4	7.5	7.0		81.0	123.0	93.3
Sodium	3000.0	2753.10	91.8	300.0	276.5		70.0	135.0	92.2
Thallium	2000.0	1738.60	86.9	200.0	173.3		86.0	119.0	86.6
Vanadium	300.0	280.04	93.3	30.0	28.1		84.0	113.0	93.7
Zinc	200.0	185.80	92.9	20.0	19.0		88.0	127.0	95.0

Metals

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

SS-3(0-2)L

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546NRAS No.: B1546 SDG NO.: B1546Matrix (soil/water): WATERLevel (low/med): LOWConcentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
Aluminum	58720.00	C	60225.00	C	2.6		P
Antimony	25.00	U	125.00	U			P
Arsenic	19.10		50.00	U	100.0		P
Barium	14423.00		15071.00		4.5		P
Beryllium	1.98	J	15.00	U	100.0		P
Cadmium	2.75	J	15.00	U	100.0		P
Calcium	5347.60		5551.00		3.8		P
Chromium	167.90		175.10		4.3		P
Cobalt	16.90		75.00	U	100.0		P
Copper	618.22		669.75		8.3		P
Iron	67192.00		70470.00		4.9		P
Lead	1381.10		1422.20		3.0		P
Magnesium	4327.00		4503.40	J	4.1		P
Manganese	703.80		735.30		4.5		P
Mercury	0.60		1.00	U	100.0		CV
Nickel	41.01		44.85	J	9.4		P
Potassium	1676.50		1743.05	J	4.0		P
Selenium	12.73		50.00	U	100.0		P
Silver	5.00	U	25.00	U			P
Sodium	784.88	J	791.15	J	0.8		P
Thallium	20.00	U	100.00	U			P
Vanadium	115.16		121.05		5.1		P
Zinc	4933.60		5357.50		8.6		P



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-1(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-01	Matrix:	SOIL
		% Solid:	86.9

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.575	U	1	0.575	0.575	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-2(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-02	Matrix:	SOIL
		% Solid:	92.4

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.541	U	1	0.541	0.541	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-3(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-03	Matrix:	SOIL
		% Solid:	88.8

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.563	U	1	0.563	0.563	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-4(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-06	Matrix:	SOIL
		% Solid:	86.4

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.794		1	0.579	0.579	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-5(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-07	Matrix:	SOIL
		% Solid:	91.9

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.544	U	1	0.544	0.544	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-6(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-08	Matrix:	SOIL
		% Solid:	89.8

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.557	U	1	0.557	0.557	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-7(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-09	Matrix:	SOIL
		% Solid:	75

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.667	U	1	0.667	0.667	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-8(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-10	Matrix:	SOIL
		% Solid:	93.1

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.537	U	1	0.537	0.537	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-9(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-11	Matrix:	SOIL
		% Solid:	92.1

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.543	U	1	0.543	0.543	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-10(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-12	Matrix:	SOIL
		% Solid:	73

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.685	U	1	0.685	0.685	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-11(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-13	Matrix:	SOIL
		% Solid:	66.8

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	5.41		1	0.749	0.749	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-12(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-14	Matrix:	SOIL
		% Solid:	56.2

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.89	U	1	0.89	0.89	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	DUP-01	SDG No.:	B1546
Lab Sample ID:	B1546-15	Matrix:	SOIL
		% Solid:	91.8

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.545	U	1	0.545	0.545	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	FIELDBLANK	SDG No.:	B1546
Lab Sample ID:	B1546-16	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.01	U	1	0.01	0.01	mg/L	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Initial and Continuing Calibration Blank Summary

Client: P.W. Grosser Consulting

SDG No.: B1546

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: CCB1 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB2 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB3 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB4 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB5 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB6 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB7 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: ICB1 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: ICB2 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: ICB3 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010



Preparation Blank Summary

Client: P.W. Grosser Consulting

SDG No.: B1546

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: Cyanide	PBS1	mg/Kg	< 0.500	+/-0.500	U	0.500	03/11/2010
Sample ID: Cyanide	PBS2	mg/Kg	< 0.500	+/-0.500	U	0.500	03/11/2010
Sample ID: Cyanide	PBW1	mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010



Matrix Spike Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1546
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1546-03
Client ID:	B1546-03S	Percent Solids for Spike Sample:	88.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	80-120	6.330		0.563	U	5.63	1	112.43		03/11/2010

Matrix Spike Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1546
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1546-03
Client ID:	B1546-03SD	Percent Solids for Spike Sample:	88.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	80-120	6.68		0.563	U	5.62	1	118.9		03/11/2010

Matrix Spike Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1546
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1552-01
Client ID:	FK-BPM-BUCK-A74-A72-	Percent Solids for Spike Sample:	94.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	80-120	5.980		0.528	U	5.28	1	113.3		03/11/2010



Duplicate Sample Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1546
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1546-03
Client ID:	B1546-03SD	Percent Solids for Spike Sample:	88.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	6.33		6.68		1	5.4		03/11/2010

Duplicate Sample Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1546
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1552-01
Client ID:	FK-BPM-BUCK-A74-A7	Percent Solids for Spike Sample:	94.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.563	U	0.563	U	1	0		03/11/2010



Laboratory Control Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1546

Project:

Ronkonkona Wallpaper- Suffolk County

Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSS1							
Cyanide	mg/Kg	10.000	10.200		102.000	1	80-120	03/11/2010



Laboratory Control Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1546

Project:

Ronkonkona Wallpaper- Suffolk County

Analyte		Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSS2								
Cyanide		mg/Kg	10.000	10.200		102.000	1	80-120	03/11/2010



Laboratory Control Sample Summary

Client: P.W. Grosser Consulting

SDG No.: B1546

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSW1								
Cyanide		mg/L	0.100	0.098		98.000	1	80-120	03/11/2010

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : RONKONKONA WALLPAPER- SUFFOLK COUNTY

P.W. GROSSER CONSULTING

630 Johnson Ave.

Suite 7

Bohemia , NY - 11716

Phone No: 6315896353

ORDER ID : B1546

ATTENTION : Zeb Youngman

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SS-1(0-2)	B1546-01	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-2(0-2)	B1546-02	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-3(0-2)	B1546-03	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-4(0-2)	B1546-06	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-5(0-2)	B1546-07		8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-6(0-2)	B1546-08	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-7(0-2)	B1546-09	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-8(0-2)	B1546-10	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-9(0-2)	B1546-11	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-10(0-2)	B1546-12	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-11(0-2)	B1546-13	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SS-12(0-2)	B1546-14	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
DUP-01	B1546-15	8260B	8270C			6010B, 7471A	9012A, Chemtech -

							SOP
FIELDBLANK	B1546-16	8260B	8270C			6010B, 7470A	9012A
TRIPBLANK	B1546-17	8260B					

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
B1546-01	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-02	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-03	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-06	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-07	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-08	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-09	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-10	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-11	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-12	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-13	SOIL	03/08/10	03/09/10	03/10/10	03/12/10
B1546-14	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-15	SOIL	03/08/10	03/09/10	03/10/10	03/10/10
B1546-16	WATER	03/08/10	03/09/10	03/09/10	03/10/10

* Details For Test :SVOC-TCL BNA -20

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
B1546-01	SOIL	03/08/10	03/09/10		03/09/10
B1546-02	SOIL	03/08/10	03/09/10		03/09/10
B1546-03	SOIL	03/08/10	03/09/10		03/09/10
B1546-06	SOIL	03/08/10	03/09/10		03/09/10
B1546-08	SOIL	03/08/10	03/09/10		03/09/10
B1546-09	SOIL	03/08/10	03/09/10		03/09/10
B1546-10	SOIL	03/08/10	03/09/10		03/09/10
B1546-11	SOIL	03/08/10	03/09/10		03/09/10
B1546-12	SOIL	03/08/10	03/09/10		03/09/10
B1546-13	SOIL	03/08/10	03/09/10		03/09/10
B1546-14	SOIL	03/08/10	03/09/10		03/10/10
B1546-15	SOIL	03/08/10	03/09/10		03/10/10
B1546-16	WATER	03/08/10	03/09/10		03/10/10
B1546-17	WATER	03/03/10	03/09/10		03/10/10

* Details For Test :VOC-TCLVOA-10

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
B1546-01	Solid	8260B	5035		
B1546-02	Solid	8260B	5035		
B1546-03	Solid	8260B	5035		
B1546-04	Solid	8260B	5035		
B1546-05	Solid	8260B	5035		
B1546-06	Solid	8260B	5035		
B1546-08	Solid	8260B	5035		
B1546-09	Solid	8260B	5035		
B1546-10	Solid	8260B	5035		
B1546-11	Solid	8260B	5035		
B1546-12	Solid	8260B	5035		
B1546-13	Solid	8260B	5035		
B1546-14	Solid	8260B	5035		
B1546-15	Solid	8260B	5035		
B1546-16	Water	8260B	5030		
B1546-17	Water	8260B	5030		

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IIa

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES**

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
B1546-01	Solid	8270C	3541		
B1546-02	Solid	8270C	3541		
B1546-03	Solid	8270C	3541		
B1546-04	Solid	8270C	3541		
B1546-05	Solid	8270C	3541		
B1546-06	Solid	8270C	3541		
B1546-07	Solid	8270C	3541		
B1546-08	Solid	8270C	3541		
B1546-09	Solid	8270C	3541		
B1546-10	Solid	8270C	3541		
B1546-11	Solid	8270C	3541		
B1546-12	Solid	8270C	3541		
B1546-13	Solid	8270C	3541		
B1546-14	Solid	8270C	3541		
B1546-15	Solid	8270C	3541		
B1546-16	Water	8270C	3510C		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1546-01	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-02	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-03	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-06	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-07	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-08	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-09	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-10	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-11	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-12	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-13	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-14	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-15	SOIL	Mercury	03/09/10	03/10/10	03/11/10
B1546-16	WATER	Mercury	03/09/10	03/12/10	03/15/10

* 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	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1546-01	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-02	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-03	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-06	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-07	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-08	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-09	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-10	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-11	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-12	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-13	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-14	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-15	SOIL	Metals ICP-TAL	03/09/10	03/10/10	03/10/10
B1546-16	WATER	Metals ICP-TAL	03/09/10	03/10/10	03/10/10

* Details For Test :Metals ICP-TAL

Cover Page

Order ID : B1546

Project ID : Ronkonkona Wallpaper- Suffolk County

Client : P.W. Grosser Consulting

Lab Sample Number

B1546-01
B1546-02
B1546-03
B1546-04
B1546-05
B1546-06
B1546-07
B1546-08
B1546-09
B1546-10
B1546-11
B1546-12
B1546-13
B1546-14
B1546-15
B1546-16
B1546-17

Client Sample Number

SS-1(0-2)
SS-2(0-2)
SS-3(0-2)
B1546-03MS
B1546-03MSD
SS-4(0-2)
SS-5(0-2)
SS-6(0-2)
SS-7(0-2)
SS-8(0-2)
SS-9(0-2)
SS-10(0-2)
SS-11(0-2)
SS-12(0-2)
DUP-01
FIELDBLANK
TRIPBLANK

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 : _____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, 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 K were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator. The analysis performed on instrument MSVOA E were done using GC column RTX-VMS which is 60 meters, 0.25 ID, 1.40 df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.

The analysis of VOC-TCLVOA-10 was based on method 8260.

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 except for SS-11(0-2), SS-11(0-2)RE, SS-12(0-2) and SS-12(0-2)RE.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except for Dichlorodifluoromethane and Methyl Acetate.

The MSD recoveries met the acceptable requirements except for Dichlorodifluoromethane and Methyl Acetate.

The RPD for (BSE0310W2) recoveries met criteria except for Methylene Chloride.

The Blank Spike Duplicate with file id BSE0310W2 met requirements for all samples except for Methylene Chloride but it was not detected in Samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82E030910W.M) for 1,1-Dichloroethane, 2-Butanone, Benzene, Bromodichloromethane, cis-1,2-dichloroethene, Cyclohexane, Ethylbenzene, o-Xylene, Styrene and Toluene.

These compounds are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor.

The %RSD is greater than 15% in the Initial Calibration (Method 82K030810S.M) for Dichlorodifluoromethane and Vinyl Chloride. These compounds are passing on linear regressions, however in this case they were left on average response factor. The ICV (File ID:VK037946.D Method 82K030810S.M) met the requirements except for Acetone. The Continuing Calibration (File ID:VK037965.D Method 82K030810S.M) met the requirements except for Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1-Dichloroethene and Cyclohexane but they were not detected in Samples. The Continuing Calibration (File ID:VK037988.D Method 82K030810S.M) met the requirements except for Dichlorodifluoromethane, Vinyl Chloride and Trichlorofluoromethane but it is not present in the sample. The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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.

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CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, 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 E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.

The analysis of SVOC-TCL BNA -20 was based on method 8270 and extraction for soil was done based on method 3541 and the extraction for water 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 except for bis(2-Ethylhexyl)phthalate.

The MSD recoveries met the acceptable requirements except for bis(2-Ethylhexyl)phthalate.

The RPD recoveries met criteria.

The Blank Spike met requirements for all samples.

The Blank analysis indicated presence of Dimethylphthalate (86 ug/kg, File ID: BE062515.D) due to possible lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BE030910.M) for Benzaldehyde. This compound is passing on quadratic regressions, however in this case it was left on average response factor.

The ICV (File ID: BE062508.D Method 8270-BE030910.M) met the requirements except for Benzaldehyde.

The Continuing Calibration (File ID: BE062539.D) met the requirements except for Benzaldehyde, Hexachlorocyclopentadiene, 2-Nitroaniline and 4,6-Dinitro-2-methylphenol but they were not detected in Samples.

The Continuing Calibration (File ID:BE062574.D) met the requirements except for Benzaldehyde but it was not detected in Samples.

The Tuning criteria met requirements.

Samples SS-1(0-2), SS-7(0-2) and SS-11(0-2) were diluted due to bad matrices.

Sample SS-3(0-2) was diluted due to high concentration.

Reduce quantity (one tenth) of all Samples was taken for extraction due to bad matrices.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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Signature_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL and Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010B and Mercury was based on method 7470A/7471A.

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 met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

CCV03 and CCV08 are failing for Sodium in 03/11/10 run but there are no associates samples were analyzed with these calibration.

Sample # 12 and 13 were diluted for Barium because of high concentration of target compound of the sample.

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CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for Cyanide.

C. Analytical Techniques:

The analysis of Cyanide was based on method 9012A.

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 met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-01Sample wt/vol: 5 (g/mL) g Lab File ID: VK037973.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 13 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
67-64-1	Acetone	29	U
75-15-0	Carbon Disulfide	5.7	U
1634-04-4	Methyl tert-butyl Ether	5.7	U
79-20-9	Methyl Acetate	5.7	U
75-09-2	Methylene Chloride	5.7	U
156-60-5	trans-1,2-Dichloroethene	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
110-82-7	Cyclohexane	5.7	U
78-93-3	2-Butanone	29	U
56-23-5	Carbon Tetrachloride	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
67-66-3	Chloroform	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
108-87-2	Methylcyclohexane	5.7	U
71-43-2	Benzene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-01Sample wt/vol: 5 (g/mL) g Lab File ID: VK037973.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 13 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

108-10-1	4-Methyl-2-Pentanone	29	U
108-88-3	Toluene	5.7	U
10061-02-6	t-1,3-Dichloropropene	5.7	U
10061-01-5	cis-1,3-Dichloropropene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
591-78-6	2-Hexanone	29	U
124-48-1	Dibromochloromethane	5.7	U
106-93-4	1,2-Dibromoethane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethyl Benzene	5.7	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	5.7	U
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	5.7	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-02Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037974.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 8 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.4	U
1634-04-4	Methyl tert-butyl Ether	5.4	U
79-20-9	Methyl Acetate	5.4	U
75-09-2	Methylene Chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
108-87-2	Methylcyclohexane	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.4	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-02Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037974.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 8 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethyl Benzene	5.4	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-03Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037972.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 11 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
67-64-1	Acetone	28	U
75-15-0	Carbon Disulfide	5.6	U
1634-04-4	Methyl tert-butyl Ether	5.6	U
79-20-9	Methyl Acetate	5.6	U
75-09-2	Methylene Chloride	5.6	U
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
110-82-7	Cyclohexane	5.6	U
78-93-3	2-Butanone	28	U
56-23-5	Carbon Tetrachloride	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
67-66-3	Chloroform	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
108-87-2	Methylcyclohexane	5.6	U
71-43-2	Benzene	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
108-10-1	4-Methyl-2-Pentanone	28	U
108-88-3	Toluene	5.6	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-03Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037972.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 11 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.6	U
10061-01-5	cis-1,3-Dichloropropene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
591-78-6	2-Hexanone	28	U
124-48-1	Dibromochloromethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethyl Benzene	5.6	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-03

Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037972.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 11 Date Analyzed: 03/09/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 2 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
007785-70-8	1R-.alpha.-Pinene	7.1	23	J
000099-84-3	Cyclohexene, 4-methylene-1-(1-meth	7.81	8.7	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-06

Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK037977.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 14 Date Analyzed: 03/09/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl Chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
67-64-1	Acetone	29	U
75-15-0	Carbon Disulfide	5.8	U
1634-04-4	Methyl tert-butyl Ether	5.8	U
79-20-9	Methyl Acetate	5.8	U
75-09-2	Methylene Chloride	5.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
110-82-7	Cyclohexane	5.8	U
78-93-3	2-Butanone	29	U
56-23-5	Carbon Tetrachloride	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
67-66-3	Chloroform	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
108-87-2	Methylcyclohexane	5.8	U
71-43-2	Benzene	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
79-01-6	Trichloroethene	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
108-10-1	4-Methyl-2-Pentanone	29	U
108-88-3	Toluene	5.8	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-06Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK037977.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 14 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
591-78-6	2-Hexanone	29	U
124-48-1	Dibromochloromethane	5.8	U
106-93-4	1,2-Dibromoethane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethyl Benzene	5.8	U
179601-23-1	m/p-Xylenes	12	U
95-47-6	o-Xylene	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	5.8	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-06

Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK037977.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 14 Date Analyzed: 03/09/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 3 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
002153-66-4	Santolina triene	6.669	11	J
004889-83-2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	7.099	5.8	J
001461-03-6	1H-Benzocycloheptene, 2,4a,5,6,7,8	11.77	6.4	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-08Sample wt/vol: 5 (g/mL) g Lab File ID: VK037978.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 10 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.6	U
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
75-69-4	Trichlorofluoromethane	5.6	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.6	U
75-35-4	1,1-Dichloroethene	5.6	U
67-64-1	Acetone	28	U
75-15-0	Carbon Disulfide	5.6	U
1634-04-4	Methyl tert-butyl Ether	5.6	U
79-20-9	Methyl Acetate	5.6	U
75-09-2	Methylene Chloride	5.6	U
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
110-82-7	Cyclohexane	5.6	U
78-93-3	2-Butanone	28	U
56-23-5	Carbon Tetrachloride	5.6	U
156-59-2	cis-1,2-Dichloroethene	5.6	U
67-66-3	Chloroform	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
108-87-2	Methylcyclohexane	5.6	U
71-43-2	Benzene	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
108-10-1	4-Methyl-2-Pentanone	28	U
108-88-3	Toluene	5.6	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-08Sample wt/vol: 5 (g/mL) g Lab File ID: VK037978.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 10 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.6	U
10061-01-5	cis-1,3-Dichloropropene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
591-78-6	2-Hexanone	28	U
124-48-1	Dibromochloromethane	5.6	U
106-93-4	1,2-Dibromoethane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethyl Benzene	5.6	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.6	U
100-42-5	Styrene	5.6	U
75-25-2	Bromoform	5.6	U
98-82-8	Isopropylbenzene	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U
541-73-1	1,3-Dichlorobenzene	5.6	U
106-46-7	1,4-Dichlorobenzene	5.6	U
95-50-1	1,2-Dichlorobenzene	5.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U
120-82-1	1,2,4-Trichlorobenzene	5.6	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-08

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037978.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 10 Date Analyzed: 03/09/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 2 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1000104-20-1	cis-(-)-2,4a,5,6,9a-Hexahydro-3,5,	11.66	5.8	J
001461-03-6	1H-Benzocycloheptene, 2,4a,5,6,7,8	11.77	7.8	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-09Sample wt/vol: 5.03 (g/mL) g Lab File ID: VK037979.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 25 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	6.6	U
74-87-3	Chloromethane	6.6	U
75-01-4	Vinyl Chloride	6.6	U
74-83-9	Bromomethane	6.6	U
75-00-3	Chloroethane	6.6	U
75-69-4	Trichlorofluoromethane	6.6	U
76-13-1	1,1,2-Trichlorotrifluoroethane	6.6	U
75-35-4	1,1-Dichloroethene	6.6	U
67-64-1	Acetone	33	U
75-15-0	Carbon Disulfide	6.6	U
1634-04-4	Methyl tert-butyl Ether	6.6	U
79-20-9	Methyl Acetate	6.6	U
75-09-2	Methylene Chloride	6.6	U
156-60-5	trans-1,2-Dichloroethene	6.6	U
75-34-3	1,1-Dichloroethane	6.6	U
110-82-7	Cyclohexane	6.6	U
78-93-3	2-Butanone	33	U
56-23-5	Carbon Tetrachloride	6.6	U
156-59-2	cis-1,2-Dichloroethene	6.6	U
67-66-3	Chloroform	6.6	U
71-55-6	1,1,1-Trichloroethane	6.6	U
108-87-2	Methylcyclohexane	6.6	U
71-43-2	Benzene	6.6	U
107-06-2	1,2-Dichloroethane	6.6	U
79-01-6	Trichloroethene	6.6	U
78-87-5	1,2-Dichloropropane	6.6	U
75-27-4	Bromodichloromethane	6.6	U
108-10-1	4-Methyl-2-Pentanone	33	U
108-88-3	Toluene	6.6	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-09Sample wt/vol: 5.03 (g/mL) g Lab File ID: VK037979.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 25 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	6.6	U
10061-01-5	cis-1,3-Dichloropropene	6.6	U
79-00-5	1,1,2-Trichloroethane	6.6	U
591-78-6	2-Hexanone	33	U
124-48-1	Dibromochloromethane	6.6	U
106-93-4	1,2-Dibromoethane	6.6	U
127-18-4	Tetrachloroethene	6.6	U
108-90-7	Chlorobenzene	6.6	U
100-41-4	Ethyl Benzene	6.6	U
179601-23-1	m/p-Xylenes	13	U
95-47-6	o-Xylene	6.6	U
100-42-5	Styrene	6.6	U
75-25-2	Bromoform	6.6	U
98-82-8	Isopropylbenzene	6.6	U
79-34-5	1,1,2,2-Tetrachloroethane	6.6	U
541-73-1	1,3-Dichlorobenzene	6.6	U
106-46-7	1,4-Dichlorobenzene	6.6	U
95-50-1	1,2-Dichlorobenzene	6.6	U
96-12-8	1,2-Dibromo-3-Chloropropane	6.6	U
120-82-1	1,2,4-Trichlorobenzene	6.6	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-10

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037980.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 7 Date Analyzed: 03/09/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.4	U
1634-04-4	Methyl tert-butyl Ether	5.4	U
79-20-9	Methyl Acetate	5.4	U
75-09-2	Methylene Chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
108-87-2	Methylcyclohexane	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.4	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-10Sample wt/vol: 5 (g/mL) g Lab File ID: VK037980.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 7 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethyl Benzene	5.4	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-11Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037981.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 8 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.4	U
1634-04-4	Methyl tert-butyl Ether	5.4	U
79-20-9	Methyl Acetate	5.4	U
75-09-2	Methylene Chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
108-87-2	Methylcyclohexane	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.4	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-11Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037981.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 8 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethyl Benzene	5.4	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-12Sample wt/vol: 5 (g/mL) g Lab File ID: VK037982.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 27 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	6.8	U
74-87-3	Chloromethane	6.8	U
75-01-4	Vinyl Chloride	6.8	U
74-83-9	Bromomethane	6.8	U
75-00-3	Chloroethane	6.8	U
75-69-4	Trichlorofluoromethane	6.8	U
76-13-1	1,1,2-Trichlorotrifluoroethane	6.8	U
75-35-4	1,1-Dichloroethene	6.8	U
67-64-1	Acetone	34	U
75-15-0	Carbon Disulfide	6.8	U
1634-04-4	Methyl tert-butyl Ether	6.8	U
79-20-9	Methyl Acetate	6.8	U
75-09-2	Methylene Chloride	6.8	U
156-60-5	trans-1,2-Dichloroethene	6.8	U
75-34-3	1,1-Dichloroethane	6.8	U
110-82-7	Cyclohexane	6.8	U
78-93-3	2-Butanone	34	U
56-23-5	Carbon Tetrachloride	6.8	U
156-59-2	cis-1,2-Dichloroethene	6.8	U
67-66-3	Chloroform	6.8	U
71-55-6	1,1,1-Trichloroethane	6.8	U
108-87-2	Methylcyclohexane	6.8	U
71-43-2	Benzene	6.8	U
107-06-2	1,2-Dichloroethane	6.8	U
79-01-6	Trichloroethene	6.8	U
78-87-5	1,2-Dichloropropane	6.8	U
75-27-4	Bromodichloromethane	6.8	U
108-10-1	4-Methyl-2-Pentanone	34	U
108-88-3	Toluene	6.8	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-12Sample wt/vol: 5 (g/mL) g Lab File ID: VK037982.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 27 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	6.8	U
10061-01-5	cis-1,3-Dichloropropene	6.8	U
79-00-5	1,1,2-Trichloroethane	6.8	U
591-78-6	2-Hexanone	34	U
124-48-1	Dibromochloromethane	6.8	U
106-93-4	1,2-Dibromoethane	6.8	U
127-18-4	Tetrachloroethene	6.8	U
108-90-7	Chlorobenzene	6.8	U
100-41-4	Ethyl Benzene	6.8	U
179601-23-1	m/p-Xylenes	14	U
95-47-6	o-Xylene	6.8	U
100-42-5	Styrene	6.8	U
75-25-2	Bromoform	6.8	U
98-82-8	Isopropylbenzene	6.8	U
79-34-5	1,1,2,2-Tetrachloroethane	6.8	U
541-73-1	1,3-Dichlorobenzene	6.8	U
106-46-7	1,4-Dichlorobenzene	6.8	U
95-50-1	1,2-Dichlorobenzene	6.8	U
96-12-8	1,2-Dibromo-3-Chloropropane	6.8	U
120-82-1	1,2,4-Trichlorobenzene	6.8	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-13Sample wt/vol: 5.04 (g/mL) g Lab File ID: VK037983.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 33 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	7.4	U
74-87-3	Chloromethane	7.4	U
75-01-4	Vinyl Chloride	7.4	U
74-83-9	Bromomethane	7.4	U
75-00-3	Chloroethane	7.4	U
75-69-4	Trichlorofluoromethane	7.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	7.4	U
75-35-4	1,1-Dichloroethene	7.4	U
67-64-1	Acetone	37	U
75-15-0	Carbon Disulfide	7.4	U
1634-04-4	Methyl tert-butyl Ether	7.4	U
79-20-9	Methyl Acetate	7.4	U
75-09-2	Methylene Chloride	7.4	U
156-60-5	trans-1,2-Dichloroethene	7.4	U
75-34-3	1,1-Dichloroethane	7.4	U
110-82-7	Cyclohexane	7.4	U
78-93-3	2-Butanone	37	U
56-23-5	Carbon Tetrachloride	7.4	U
156-59-2	cis-1,2-Dichloroethene	7.4	U
67-66-3	Chloroform	7.4	U
71-55-6	1,1,1-Trichloroethane	7.4	U
108-87-2	Methylcyclohexane	7.4	U
71-43-2	Benzene	7.4	U
107-06-2	1,2-Dichloroethane	7.4	U
79-01-6	Trichloroethene	7.4	U
78-87-5	1,2-Dichloropropane	7.4	U
75-27-4	Bromodichloromethane	7.4	U
108-10-1	4-Methyl-2-Pentanone	37	U
108-88-3	Toluene	7.4	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-13Sample wt/vol: 5.04 (g/mL) g Lab File ID: VK037983.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 33 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	7.4	U
10061-01-5	cis-1,3-Dichloropropene	7.4	U
79-00-5	1,1,2-Trichloroethane	7.4	U
591-78-6	2-Hexanone	37	U
124-48-1	Dibromochloromethane	7.4	U
106-93-4	1,2-Dibromoethane	7.4	U
127-18-4	Tetrachloroethene	7.4	U
108-90-7	Chlorobenzene	7.4	U
100-41-4	Ethyl Benzene	7.4	U
179601-23-1	m/p-Xylenes	15	U
95-47-6	o-Xylene	7.4	U
100-42-5	Styrene	7.4	U
75-25-2	Bromoform	7.4	U
98-82-8	Isopropylbenzene	7.4	U
79-34-5	1,1,2,2-Tetrachloroethane	7.4	U
541-73-1	1,3-Dichlorobenzene	7.4	U
106-46-7	1,4-Dichlorobenzene	7.4	U
95-50-1	1,2-Dichlorobenzene	7.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	7.4	U
120-82-1	1,2,4-Trichlorobenzene	7.4	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)RE

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-13RE

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037991.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 33 Date Analyzed: 03/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	7.5	U
74-87-3	Chloromethane	7.5	U
75-01-4	Vinyl Chloride	7.5	U
74-83-9	Bromomethane	7.5	U
75-00-3	Chloroethane	7.5	U
75-69-4	Trichlorofluoromethane	7.5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	7.5	U
75-35-4	1,1-Dichloroethene	7.5	U
67-64-1	Acetone	37	U
75-15-0	Carbon Disulfide	7.5	U
1634-04-4	Methyl tert-butyl Ether	7.5	U
79-20-9	Methyl Acetate	7.5	U
75-09-2	Methylene Chloride	7.5	U
156-60-5	trans-1,2-Dichloroethene	7.5	U
75-34-3	1,1-Dichloroethane	7.5	U
110-82-7	Cyclohexane	7.5	U
78-93-3	2-Butanone	37	U
56-23-5	Carbon Tetrachloride	7.5	U
156-59-2	cis-1,2-Dichloroethene	7.5	U
67-66-3	Chloroform	7.5	U
71-55-6	1,1,1-Trichloroethane	7.5	U
108-87-2	Methylcyclohexane	7.5	U
71-43-2	Benzene	7.5	U
107-06-2	1,2-Dichloroethane	7.5	U
79-01-6	Trichloroethene	7.5	U
78-87-5	1,2-Dichloropropane	7.5	U
75-27-4	Bromodichloromethane	7.5	U
108-10-1	4-Methyl-2-Pentanone	37	U
108-88-3	Toluene	7.5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)RE

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-13RESample wt/vol: 5 (g/mL) g Lab File ID: VK037991.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 33 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	7.5	U
10061-01-5	cis-1,3-Dichloropropene	7.5	U
79-00-5	1,1,2-Trichloroethane	7.5	U
591-78-6	2-Hexanone	37	U
124-48-1	Dibromochloromethane	7.5	U
106-93-4	1,2-Dibromoethane	7.5	U
127-18-4	Tetrachloroethene	7.5	U
108-90-7	Chlorobenzene	7.5	U
100-41-4	Ethyl Benzene	7.5	U
179601-23-1	m/p-Xylenes	15	U
95-47-6	o-Xylene	7.5	U
100-42-5	Styrene	7.5	U
75-25-2	Bromoform	7.5	U
98-82-8	Isopropylbenzene	7.5	U
79-34-5	1,1,2,2-Tetrachloroethane	7.5	U
541-73-1	1,3-Dichlorobenzene	7.5	U
106-46-7	1,4-Dichlorobenzene	7.5	U
95-50-1	1,2-Dichlorobenzene	7.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	7.5	U
120-82-1	1,2,4-Trichlorobenzene	7.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-14

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037992.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 44 Date Analyzed: 03/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	8.9	U
74-87-3	Chloromethane	8.9	U
75-01-4	Vinyl Chloride	8.9	U
74-83-9	Bromomethane	8.9	U
75-00-3	Chloroethane	8.9	U
75-69-4	Trichlorofluoromethane	8.9	U
76-13-1	1,1,2-Trichlorotrifluoroethane	8.9	U
75-35-4	1,1-Dichloroethene	8.9	U
67-64-1	Acetone	45	U
75-15-0	Carbon Disulfide	8.9	U
1634-04-4	Methyl tert-butyl Ether	8.9	U
79-20-9	Methyl Acetate	8.9	U
75-09-2	Methylene Chloride	8.9	U
156-60-5	trans-1,2-Dichloroethene	8.9	U
75-34-3	1,1-Dichloroethane	8.9	U
110-82-7	Cyclohexane	8.9	U
78-93-3	2-Butanone	45	U
56-23-5	Carbon Tetrachloride	8.9	U
156-59-2	cis-1,2-Dichloroethene	8.9	U
67-66-3	Chloroform	8.9	U
71-55-6	1,1,1-Trichloroethane	8.9	U
108-87-2	Methylcyclohexane	8.9	U
71-43-2	Benzene	8.9	U
107-06-2	1,2-Dichloroethane	8.9	U
79-01-6	Trichloroethene	8.9	U
78-87-5	1,2-Dichloropropane	8.9	U
75-27-4	Bromodichloromethane	8.9	U
108-10-1	4-Methyl-2-Pentanone	45	U
108-88-3	Toluene	8.9	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-14Sample wt/vol: 5 (g/mL) g Lab File ID: VK037992.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 44 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	8.9	U
10061-01-5	cis-1,3-Dichloropropene	8.9	U
79-00-5	1,1,2-Trichloroethane	8.9	U
591-78-6	2-Hexanone	45	U
124-48-1	Dibromochloromethane	8.9	U
106-93-4	1,2-Dibromoethane	8.9	U
127-18-4	Tetrachloroethene	8.9	U
108-90-7	Chlorobenzene	8.9	U
100-41-4	Ethyl Benzene	8.9	U
179601-23-1	m/p-Xylenes	18	U
95-47-6	o-Xylene	8.9	U
100-42-5	Styrene	8.9	U
75-25-2	Bromoform	8.9	U
98-82-8	Isopropylbenzene	8.9	U
79-34-5	1,1,2,2-Tetrachloroethane	8.9	U
541-73-1	1,3-Dichlorobenzene	8.9	U
106-46-7	1,4-Dichlorobenzene	8.9	U
95-50-1	1,2-Dichlorobenzene	8.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	8.9	U
120-82-1	1,2,4-Trichlorobenzene	8.9	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-14

Sample wt/vol: 5 (g/mL) g Lab File ID: VK037992.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 44 Date Analyzed: 03/10/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000080-56-8	.alpha.-Pinene	7.1	15	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)RE

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-14RESample wt/vol: 5.02 (g/mL) g Lab File ID: VK038004.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 44 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	8.9	U
74-87-3	Chloromethane	8.9	U
75-01-4	Vinyl Chloride	8.9	U
74-83-9	Bromomethane	8.9	U
75-00-3	Chloroethane	8.9	U
75-69-4	Trichlorofluoromethane	8.9	U
76-13-1	1,1,2-Trichlorotrifluoroethane	8.9	U
75-35-4	1,1-Dichloroethene	8.9	U
67-64-1	Acetone	44	U
75-15-0	Carbon Disulfide	8.9	U
1634-04-4	Methyl tert-butyl Ether	8.9	U
79-20-9	Methyl Acetate	8.9	U
75-09-2	Methylene Chloride	8.9	U
156-60-5	trans-1,2-Dichloroethene	8.9	U
75-34-3	1,1-Dichloroethane	8.9	U
110-82-7	Cyclohexane	8.9	U
78-93-3	2-Butanone	44	U
56-23-5	Carbon Tetrachloride	8.9	U
156-59-2	cis-1,2-Dichloroethene	8.9	U
67-66-3	Chloroform	8.9	U
71-55-6	1,1,1-Trichloroethane	8.9	U
108-87-2	Methylcyclohexane	8.9	U
71-43-2	Benzene	8.9	U
107-06-2	1,2-Dichloroethane	8.9	U
79-01-6	Trichloroethene	8.9	U
78-87-5	1,2-Dichloropropane	8.9	U
75-27-4	Bromodichloromethane	8.9	U
108-10-1	4-Methyl-2-Pentanone	44	U
108-88-3	Toluene	8.9	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)RE

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-14RESample wt/vol: 5.02 (g/mL) g Lab File ID: VK038004.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 44 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	8.9	U
10061-01-5	cis-1,3-Dichloropropene	8.9	U
79-00-5	1,1,2-Trichloroethane	8.9	U
591-78-6	2-Hexanone	44	U
124-48-1	Dibromochloromethane	8.9	U
106-93-4	1,2-Dibromoethane	8.9	U
127-18-4	Tetrachloroethene	8.9	U
108-90-7	Chlorobenzene	8.9	U
100-41-4	Ethyl Benzene	8.9	U
179601-23-1	m/p-Xylenes	18	U
95-47-6	o-Xylene	8.9	U
100-42-5	Styrene	8.9	U
75-25-2	Bromoform	8.9	U
98-82-8	Isopropylbenzene	8.9	U
79-34-5	1,1,2,2-Tetrachloroethane	8.9	U
541-73-1	1,3-Dichlorobenzene	8.9	U
106-46-7	1,4-Dichlorobenzene	8.9	U
95-50-1	1,2-Dichlorobenzene	8.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	8.9	U
120-82-1	1,2,4-Trichlorobenzene	8.9	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-15

Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK037993.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 8 Date Analyzed: 03/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.4	U
1634-04-4	Methyl tert-butyl Ether	5.4	U
79-20-9	Methyl Acetate	5.4	U
75-09-2	Methylene Chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
108-87-2	Methylcyclohexane	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.4	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-15Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK037993.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: not dec. 8 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethyl Benzene	5.4	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): WATER Lab Sample ID: B1546-16

Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017378.D

Level: (low/med) Date Received: 03/09/10

% Moisture: not dec. 100 Date Analyzed: 03/10/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-16Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017378.DLevel: (low/med) Date Received: 03/09/10% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-17Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017377.DLevel: (low/med) _____ Date Received: 03/09/10% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-17Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017377.DLevel: (low/med) Date Received: 03/09/10% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U

Hit Summary Sheet
SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-12(0-2)							
B1546-14	SS-12(0-2)	SOIL	.alpha.-Pinene	* 15.00	J	0	0	ug/Kg
Total Tics :					15.00			
Total Concentration:					15.00			
Client ID:	SS-3(0-2)							
B1546-03	SS-3(0-2)	SOIL	Cyclohexene, 4-methylene-1-(1-r	* 8.70	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	1R-.alpha.-Pinene	* 23.00	J	0	0	ug/Kg
Total Tics :					31.70			
Total Concentration:					31.70			
Client ID:	SS-4(0-2)							
B1546-06	SS-4(0-2)	SOIL	1H-Benzocycloheptene, 2,4a,5,6,	* 6.40	J	0	0	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Santolina triene	* 11.00	J	0	0	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Bicyclo[3.1.1]hept-2-ene, 3,6,6-ti	* 5.80	J	0	0	ug/Kg
Total Tics :					23.20			
Total Concentration:					23.20			
Client ID:	SS-6(0-2)							
B1546-08	SS-6(0-2)	SOIL	1H-Benzocycloheptene, 2,4a,5,6,	* 7.80	J	0	0	ug/Kg
B1546-08	SS-6(0-2)	SOIL	cis-(-)-2,4a,5,6,9a-Hexahydro-3,5	* 5.80	J	0	0	ug/Kg
Total Tics :					13.60			
Total Concentration:					13.60			

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM CASE No.: B1546 SAS No.: B1546 SDG NO.: B1546

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBE0310W2	87	89	86	85	0
02	BSE0310W1	85	86	84	85	0
03	BSE0310W2	84	87	82	85	0
04	TRIPBLANK	87	88	85	84	0
05	FIELDBLANK	86	85	84	83	0

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBK0309S1	90	102	97	99	0
02	BSK0309S1	95	99	97	95	0
03	SS-3(0-2)	88	102	93	93	0
04	SS-1(0-2)	87	104	97	92	0
05	SS-2(0-2)	85	101	94	91	0
06	SS-3(0-2)MS	99	101	100	96	0
07	SS-3(0-2)MSD	97	104	98	98	0
08	SS-4(0-2)	86	103	96	89	0
09	SS-6(0-2)	87	101	93	91	0
10	SS-7(0-2)	86	104	91	73	0
11	SS-8(0-2)	88	106	97	92	0
12	SS-9(0-2)	83	98	93	85	0
13	SS-10(0-2)	86	103	90	70	0
14	SS-11(0-2)	85	110	90	54	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (55-158)

SMC2 (DBFM) =Dibromofluoromethane (53-156)

SMC3 (TOL) =Toluene-d8 (68-122)

SMC4 (BFB) =4-Bromofluorobenzene (25-144)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM CASE No.: B1546 SAS No.: B1546 SDG NO.: B1546

Level: (low/med) LOW

15	VBK0310S1	86	99	95	95	0
16	BSK0310S1	91	99	97	97	0
17	SS-11(0-2)RE	85	111	84	42	0
18	SS-12(0-2)	90	116	88	49	0
19	DUP-01	90	102	96	90	0
20	SS-12(0-2)RE	94	107	90	64	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (55-158)

SMC2 (DBFM) =Dibromofluoromethane (53-156)

SMC3 (TOL) =Toluene-d8 (68-122)

SMC4 (BFB) =4-Bromofluorobenzene (25-144)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : B1546-04

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	56	0	89	159*	(42-151)
Chloromethane	56	0	71	127	(43-150)
Vinyl Chloride	56	0	74	132	(48-144)
Bromomethane	56	0	66	118	(40-154)
Chloroethane	56	0	68	121	(39-165)
Trichlorofluoromethane	56	0	75	134	(46-159)
1,1,2-Trichlorotrifluoroethane	56	0	73	130	(59-140)
1,1-Dichloroethene	56	0	68	121	(54-143)
Acetone	281	0	260	93	(31-158)
Carbon Disulfide	56	0	68	121	(42-144)
Methyl tert-butyl Ether	56	0	58	104	(56-146)
Methyl Acetate	56	0	180	321*	(16-205)
Methylene Chloride	56	0	57	102	(51-144)
trans-1,2-Dichloroethene	56	0	64	114	(60-135)
1,1-Dichloroethane	56	0	61	109	(62-143)
Cyclohexane	56	0	66	118	(51-136)
2-Butanone	281	0	260	93	(40-157)
Carbon Tetrachloride	56	0	67	120	(63-135)
cis-1,2-Dichloroethene	56	0	60	107	(62-133)
Chloroform	56	0	60	107	(66-138)
1,1,1-Trichloroethane	56	0	68	121	(64-139)
Methylcyclohexane	56	0	62	111	(43-133)
Benzene	56	0	59	105	(68-128)
1,2-Dichloroethane	56	0	58	104	(64-139)
Trichloroethene	56	0	63	113	(49-150)
1,2-Dichloropropane	56	0	60	107	(68-131)
Bromodichloromethane	56	0	60	107	(69-132)
4-Methyl-2-Pentanone	281	0	280	100	(53-150)
Toluene	56	0	61	109	(67-127)
t-1,3-Dichloropropene	56	0	56	100	(63-129)
cis-1,3-Dichloropropene	56	0	56	100	(66-126)
1,1,2-Trichloroethane	56	0	57	102	(67-132)
2-Hexanone	281	0	260	93	(44-170)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 5 Out of 82 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-04

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dibromochloromethane	56	0	58	104	(65-131)
1,2-Dibromoethane	56	0	56	100	(63-129)
Tetrachloroethene	56	0	49	88	(33-170)
Chlorobenzene	56	0	59	105	(71-126)
Ethyl Benzene	56	0	62	111	(65-134)
m/p-Xylenes	112	0	120	107	(65-131)
o-Xylene	56	0	58	104	(62-134)
Styrene	56	0	56	100	(60-131)
Bromoform	56	0	56	100	(62-140)
Isopropylbenzene	56	0	64	114	(51-159)
1,1,2,2-Tetrachloroethane	56	0	58	104	(33-184)
1,3-Dichlorobenzene	56	0	57	102	(70-125)
1,4-Dichlorobenzene	56	0	56	100	(69-124)
1,2-Dichlorobenzene	56	0	55	98	(67-128)
1,2-Dibromo-3-Chloropropane	56	0	57	102	(44-163)
1,2,4-Trichlorobenzene	56	0	46	82	(53-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 5 Out of 82 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : B1546-05

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dichlorodifluoromethane	56	93	166*	4	20	(42-151)
Chloromethane	56	72	129	2	20	(43-150)
Vinyl Chloride	56	78	139	5	20	(48-144)
Bromomethane	56	73	130	10	20	(40-154)
Chloroethane	56	72	129	6	20	(39-165)
Trichlorofluoromethane	56	79	141	5	20	(46-159)
1,1,2-Trichlorotrifluoroethane	56	77	138	6	20	(59-140)
1,1-Dichloroethene	56	71	127	5	20	(54-143)
Acetone	281	230	82	13	20	(31-158)
Carbon Disulfide	56	69	123	2	20	(42-144)
Methyl tert-butyl Ether	56	60	107	3	20	(56-146)
Methyl Acetate	56	190	339*	5	20	(16-205)
Methylene Chloride	56	60	107	5	20	(51-144)
trans-1,2-Dichloroethene	56	66	118	3	20	(60-135)
1,1-Dichloroethane	56	65	116	6	20	(62-143)
Cyclohexane	56	68	121	3	20	(51-136)
2-Butanone	281	260	93	0	20	(40-157)
Carbon Tetrachloride	56	73	130	8	20	(63-135)
cis-1,2-Dichloroethene	56	63	113	5	20	(62-133)
Chloroform	56	63	113	5	20	(66-138)
1,1,1-Trichloroethane	56	73	130	7	20	(64-139)
Methylcyclohexane	56	66	118	6	20	(43-133)
Benzene	56	63	113	7	20	(68-128)
1,2-Dichloroethane	56	62	111	7	20	(64-139)
Trichloroethene	56	67	120	6	20	(49-150)
1,2-Dichloropropane	56	62	111	4	20	(68-131)
Bromodichloromethane	56	62	111	4	20	(69-132)
4-Methyl-2-Pentanone	281	290	103	3	20	(53-150)
Toluene	56	65	116	6	20	(67-127)
t-1,3-Dichloropropene	56	59	105	5	20	(63-129)
cis-1,3-Dichloropropene	56	58	104	4	20	(66-126)
1,1,2-Trichloroethane	56	59	105	3	20	(67-132)
2-Hexanone	281	250	89	4	20	(44-170)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 4 Out of 82 outside limits

Spike Recovery : 11 Out of 164 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-05

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dibromochloromethane	56	61	109	5	20	(65-131)
1,2-Dibromoethane	56	58	104	4	20	(63-129)
Tetrachloroethene	56	55	98	11	20	(33-170)
Chlorobenzene	56	62	111	6	20	(71-126)
Ethyl Benzene	56	65	116	4	20	(65-134)
m/p-Xylenes	112	130	116	8	20	(65-131)
o-Xylene	56	64	114	9	20	(62-134)
Styrene	56	62	111	10	20	(60-131)
Bromoform	56	59	105	5	20	(62-140)
Isopropylbenzene	56	68	121	6	20	(51-159)
1,1,2,2-Tetrachloroethane	56	60	107	3	20	(33-184)
1,3-Dichlorobenzene	56	59	105	3	20	(70-125)
1,4-Dichlorobenzene	56	59	105	5	20	(69-124)
1,2-Dichlorobenzene	56	59	105	7	20	(67-128)
1,2-Dibromo-3-Chloropropane	56	58	104	2	20	(44-163)
1,2,4-Trichlorobenzene	56	48	86	5	20	(53-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 4 Out of 82 outside limits

Spike Recovery : 11 Out of 164 outside limits

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : BSE0310W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		18	90	(35-124)
Chloromethane	20		21	105	(37-148)
Vinyl Chloride	20		21	105	(45-144)
Bromomethane	20		22	110	(44-146)
Chloroethane	20		19	95	(46-148)
Trichlorofluoromethane	20		21	105	(56-137)
1,1,2-Trichlorotrifluoroethane	20		20	100	(52-142)
1,1-Dichloroethene	20		20	100	(57-135)
Acetone	100		130	130	(50-149)
Carbon Disulfide	20		21	105	(36-155)
Methyl tert-butyl Ether	20		20	100	(60-144)
Methyl Acetate	20		19	95	(51-158)
Methylene Chloride	20		21	105	(61-138)
trans-1,2-Dichloroethene	20		20	100	(59-137)
1,1-Dichloroethane	20		21	105	(64-142)
Cyclohexane	20		21	105	(56-141)
2-Butanone	100		120	120	(56-152)
Carbon Tetrachloride	20		21	105	(59-138)
cis-1,2-Dichloroethene	20		21	105	(64-137)
Chloroform	20		21	105	(67-138)
1,1,1-Trichloroethane	20		21	105	(65-132)
Methylcyclohexane	20		20	100	(56-137)
Benzene	20		22	110	(66-135)
1,2-Dichloroethane	20		21	105	(65-137)
Trichloroethene	20		20	100	(65-134)
1,2-Dichloropropane	20		21	105	(68-137)
Bromodichloromethane	20		21	105	(67-134)
4-Methyl-2-Pentanone	100		110	110	(63-146)
Toluene	20		21	105	(67-133)
t-1,3-Dichloropropene	20		21	105	(66-135)
cis-1,3-Dichloropropene	20		21	105	(66-132)
1,1,2-Trichloroethane	20		22	110	(67-136)
2-Hexanone	100		120	120	(56-153)
Dibromochloromethane	20		21	105	(64-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 74 outside limits

Comments: _____



3B

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546Matrix Spike - EPA Sample No : BSE0310W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		21	105	(66-137)
Tetrachloroethene	20		19	95	(37-178)
Chlorobenzene	20		21	105	(67-133)
Ethyl Benzene	20		22	110	(66-133)
m/p-Xylenes	40		41	103	(65-134)
o-Xylene	20		22	110	(65-134)
Styrene	20		22	110	(65-136)
Bromoform	20		20	100	(56-157)
Isopropylbenzene	20		21	105	(66-133)
1,1,2,2-Tetrachloroethane	20		21	105	(63-136)
1,3-Dichlorobenzene	20		20	100	(66-131)
1,4-Dichlorobenzene	20		20	100	(65-131)
1,2-Dichlorobenzene	20		20	100	(66-132)
1,2-Dibromo-3-Chloropropane	20		20	100	(54-141)
1,2,4-Trichlorobenzene	20		18	90	(61-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 74 outside limits

Comments: _____

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : BSE0310W2

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
Dichlorodifluoromethane	20	18	90	0	20	(35-124)
Chloromethane	20	21	105	0	20	(37-148)
Vinyl Chloride	20	20	100	5	20	(45-144)
Bromomethane	20	20	100	10	20	(44-146)
Chloroethane	20	19	95	0	20	(46-148)
Trichlorofluoromethane	20	21	105	0	20	(56-137)
1,1,2-Trichlorotrifluoroethane	20	20	100	0	20	(52-142)
1,1-Dichloroethene	20	20	100	0	20	(57-135)
Acetone	100	130	130	0	20	(50-149)
Carbon Disulfide	20	20	100	5	20	(36-155)
Methyl tert-butyl Ether	20	20	100	0	20	(60-144)
Methyl Acetate	20	20	100	5	20	(51-158)
Methylene Chloride	20	9.5	48*	75*	20	(61-138)
trans-1,2-Dichloroethene	20	20	100	0	20	(59-137)
1,1-Dichloroethane	20	21	105	0	20	(64-142)
Cyclohexane	20	21	105	0	20	(56-141)
2-Butanone	100	120	120	0	20	(56-152)
Carbon Tetrachloride	20	20	100	5	20	(59-138)
cis-1,2-Dichloroethene	20	21	105	0	20	(64-137)
Chloroform	20	21	105	0	20	(67-138)
1,1,1-Trichloroethane	20	20	100	5	20	(65-132)
Methylcyclohexane	20	20	100	0	20	(56-137)
Benzene	20	21	105	5	20	(66-135)
1,2-Dichloroethane	20	21	105	0	20	(65-137)
Trichloroethene	20	20	100	0	20	(65-134)
1,2-Dichloropropane	20	21	105	0	20	(68-137)
Bromodichloromethane	20	21	105	0	20	(67-134)
4-Methyl-2-Pentanone	100	110	110	0	20	(63-146)
Toluene	20	21	105	0	20	(67-133)
t-1,3-Dichloropropene	20	20	100	5	20	(66-135)
cis-1,3-Dichloropropene	20	21	105	0	20	(66-132)
1,1,2-Trichloroethane	20	21	105	5	20	(67-136)
2-Hexanone	100	120	120	0	20	(56-153)
Dibromochloromethane	20	20	100	5	20	(64-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 74 outside limits

Spike Recovery : 1 Out of 74 outside limits

Comments: _____



3B

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546Matrix Spike - EPA Sample No : BSE0310W2

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
1,2-Dibromoethane	20	21	105	0	20	(66-137)
Tetrachloroethene	20	20	100	5	20	(37-178)
Chlorobenzene	20	21	105	0	20	(67-133)
Ethyl Benzene	20	22	110	0	20	(66-133)
m/p-Xylenes	40	41	103	0	20	(65-134)
o-Xylene	20	21	105	5	20	(65-134)
Styrene	20	22	110	0	20	(65-136)
Bromoform	20	20	100	0	20	(56-157)
Isopropylbenzene	20	20	100	5	20	(66-133)
1,1,2,2-Tetrachloroethane	20	20	100	5	20	(63-136)
1,3-Dichlorobenzene	20	19	95	5	20	(66-131)
1,4-Dichlorobenzene	20	20	100	0	20	(65-131)
1,2-Dichlorobenzene	20	20	100	0	20	(66-132)
1,2-Dibromo-3-Chloropropane	20	19	95	5	20	(54-141)
1,2,4-Trichlorobenzene	20	18	90	0	20	(61-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 74 outside limits

Spike Recovery : 1 Out of 74 outside limits

Comments: _____

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : BSK0309S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		15	75	(47-148)
Chloromethane	20		17	85	(56-145)
Vinyl Chloride	20		19	95	(60-138)
Bromomethane	20		21	105	(45-158)
Chloroethane	20		22	110	(42-161)
Trichlorofluoromethane	20		21	105	(55-146)
1,1,2-Trichlorotrifluoroethane	20		23	115	(65-134)
1,1-Dichloroethene	20		21	105	(65-136)
Acetone	100		81	81	(57-148)
Carbon Disulfide	20		21	105	(60-138)
Methyl tert-butyl Ether	20		20	100	(70-131)
Methyl Acetate	20		20	100	(44-187)
Methylene Chloride	20		21	105	(63-141)
trans-1,2-Dichloroethene	20		21	105	(73-130)
1,1-Dichloroethane	20		20	100	(74-133)
Cyclohexane	20		22	110	(66-132)
2-Butanone	100		96	96	(52-153)
Carbon Tetrachloride	20		22	110	(74-122)
cis-1,2-Dichloroethene	20		21	105	(75-129)
Chloroform	20		21	105	(75-135)
1,1,1-Trichloroethane	20		22	110	(75-128)
Methylcyclohexane	20		23	115	(71-124)
Benzene	20		21	105	(79-122)
1,2-Dichloroethane	20		21	105	(75-132)
Trichloroethene	20		23	115	(77-120)
1,2-Dichloropropane	20		22	110	(76-127)
Bromodichloromethane	20		21	105	(77-124)
4-Methyl-2-Pentanone	100		110	110	(70-141)
Toluene	20		22	110	(78-121)
t-1,3-Dichloropropene	20		20	100	(76-127)
cis-1,3-Dichloropropene	20		21	105	(79-122)
1,1,2-Trichloroethane	20		20	100	(76-127)
2-Hexanone	100		100	100	(55-154)
Dibromochloromethane	20		21	105	(73-126)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



3A

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546Matrix Spike - EPA Sample No : BSK0309S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		21	105	(76-127)
Tetrachloroethene	20		25	125	(61-145)
Chlorobenzene	20		22	110	(79-120)
Ethyl Benzene	20		23	115	(77-120)
m/p-Xylenes	40		47	118	(78-120)
o-Xylene	20		22	110	(78-119)
Styrene	20		22	110	(80-119)
Bromoform	20		21	105	(71-125)
Isopropylbenzene	20		23	115	(77-124)
1,1,2,2-Tetrachloroethane	20		22	110	(77-130)
1,3-Dichlorobenzene	20		22	110	(82-121)
1,4-Dichlorobenzene	20		23	115	(82-118)
1,2-Dichlorobenzene	20		22	110	(81-122)
1,2-Dibromo-3-Chloropropane	20		23	115	(66-132)
1,2,4-Trichlorobenzene	20		24	120	(71-124)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : BSK0310S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		15	75	(47-148)
Chloromethane	20		17	85	(56-145)
Vinyl Chloride	20		19	95	(60-138)
Bromomethane	20		21	105	(45-158)
Chloroethane	20		23	115	(42-161)
Trichlorofluoromethane	20		23	115	(55-146)
1,1,2-Trichlorotrifluoroethane	20		22	110	(65-134)
1,1-Dichloroethene	20		20	100	(65-136)
Acetone	100		79	79	(57-148)
Carbon Disulfide	20		20	100	(60-138)
Methyl tert-butyl Ether	20		19	95	(70-131)
Methyl Acetate	20		18	90	(44-187)
Methylene Chloride	20		19	95	(63-141)
trans-1,2-Dichloroethene	20		20	100	(73-130)
1,1-Dichloroethane	20		21	105	(74-133)
Cyclohexane	20		20	100	(66-132)
2-Butanone	100		88	88	(52-153)
Carbon Tetrachloride	20		22	110	(74-122)
cis-1,2-Dichloroethene	20		20	100	(75-129)
Chloroform	20		20	100	(75-135)
1,1,1-Trichloroethane	20		21	105	(75-128)
Methylcyclohexane	20		22	110	(71-124)
Benzene	20		20	100	(79-122)
1,2-Dichloroethane	20		20	100	(75-132)
Trichloroethene	20		22	110	(77-120)
1,2-Dichloropropane	20		21	105	(76-127)
Bromodichloromethane	20		20	100	(77-124)
4-Methyl-2-Pentanone	100		95	95	(70-141)
Toluene	20		21	105	(78-121)
t-1,3-Dichloropropene	20		19	95	(76-127)
cis-1,3-Dichloropropene	20		20	100	(79-122)
1,1,2-Trichloroethane	20		19	95	(76-127)
2-Hexanone	100		94	94	(55-154)
Dibromochloromethane	20		20	100	(73-126)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



3A

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546Matrix Spike - EPA Sample No : BSK0310S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		19	95	(76-127)
Tetrachloroethene	20		22	110	(61-145)
Chlorobenzene	20		21	105	(79-120)
Ethyl Benzene	20		22	110	(77-120)
m/p-Xylenes	40		45	113	(78-120)
o-Xylene	20		21	105	(78-119)
Styrene	20		21	105	(80-119)
Bromoform	20		20	100	(71-125)
Isopropylbenzene	20		23	115	(77-124)
1,1,2,2-Tetrachloroethane	20		20	100	(77-130)
1,3-Dichlorobenzene	20		21	105	(82-121)
1,4-Dichlorobenzene	20		21	105	(82-118)
1,2-Dichlorobenzene	20		21	105	(81-122)
1,2-Dibromo-3-Chloropropane	20		21	105	(66-132)
1,2,4-Trichlorobenzene	20		22	110	(71-124)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBE0310W2

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: VE017374.DLab Sample ID: VBE0310W2Date Analyzed: 03/10/2010Time Analyzed: 12:13GC Column: ZB-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAE

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSE0310W1	BSE0310W1	VE017375.D	03/10/2010
BSE0310W2	BSE0310W2	VE017376.D	03/10/2010
TRIPBLANK	B1546-17	VE017377.D	03/10/2010
FIELDBLANK	B1546-16	VE017378.D	03/10/2010

COMMENTS: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0309S1

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: VK037966.DLab Sample ID: VBK0309S1Date Analyzed: 03/09/2010Time Analyzed: 12:41GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOAK

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0309S1	BSK0309S1	VK037967.D	03/09/2010
SS-3 (0-2)	B1546-03	VK037972.D	03/09/2010
SS-1 (0-2)	B1546-01	VK037973.D	03/09/2010
SS-2 (0-2)	B1546-02	VK037974.D	03/09/2010
SS-3 (0-2) MS	B1546-04MS	VK037975.D	03/09/2010
SS-3 (0-2) MSD	B1546-05MSD	VK037976.D	03/09/2010
SS-4 (0-2)	B1546-06	VK037977.D	03/09/2010
SS-6 (0-2)	B1546-08	VK037978.D	03/09/2010
SS-7 (0-2)	B1546-09	VK037979.D	03/09/2010
SS-8 (0-2)	B1546-10	VK037980.D	03/09/2010
SS-9 (0-2)	B1546-11	VK037981.D	03/09/2010
SS-10 (0-2)	B1546-12	VK037982.D	03/09/2010
SS-11 (0-2)	B1546-13	VK037983.D	03/09/2010

COMMENTS: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0310S1

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: VK037989.DLab Sample ID: VBK0310S1Date Analyzed: 03/10/2010Time Analyzed: 10:51GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOAK

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0310S1	BSK0310S1	VK037990.D	03/10/2010
SS-11 (0-2) RE	B1546-13RE	VK037991.D	03/10/2010
SS-12 (0-2)	B1546-14	VK037992.D	03/10/2010
DUP-01	B1546-15	VK037993.D	03/10/2010
SS-12 (0-2) RE	B1546-14RE	VK038004.D	03/10/2010

COMMENTS: _____



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0309S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: VBK0309S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK037966.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0309S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: VBK0309S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK037966.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/09/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0310W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: VBE0310W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017374.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0310W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: VBE0310W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017374.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0310S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: VBK0310S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK037989.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0310S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: VBK0310S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK037989.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VE017372.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAE Time Analyzed: 10:50
GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	2802605	9.39	3994991	10.47	3628056	14.86
UPPER LIMIT	5605210	9.89	7989982	10.97	7256112	15.36
LOWER LIMIT	1401303	8.89	1997496	9.97	1814028	14.36
EPA SAMPLE NO.						
FIELD BLANK	2439809	9.39	3586059	10.48	3406435	14.88
TRIP BLANK	2480224	9.40	3675764	10.48	3413940	14.88
BSE0310W1	2489516	9.41	3655869	10.49	3411428	14.89
BSE0310W2	2435244	9.40	3571230	10.48	3299874	14.87
VBE0310W2	2692196	9.40	3895458	10.48	3579791	14.88

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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VE017372.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAE Time Analyzed: 10:50
GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	2161472	18.66				
UPPER LIMIT	4322944	19.16				
LOWER LIMIT	1080736	18.16				
EPA SAMPLE NO.						
FIELDBLANK	1796769	18.67				
TRIPBLANK	1840852	18.67				
BSE0310W1	1978405	18.69				
BSE0310W2	1954137	18.68				
VBE0310W2	1968284	18.67				

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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VK037965.D Date Analyzed: 03/09/2010
Instrument ID: MSVOAK Time Analyzed: 12:04
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	586000	3.18	946792	3.57	1083312	6.26
UPPER LIMIT	1172000	3.68	1893584	4.07	2166624	6.76
LOWER LIMIT	293000	2.68	473396	3.07	541656	5.76
EPA SAMPLE NO.						
SS-1(0-2)	620271	3.18	941214	3.57	1070538	6.26
SS-2(0-2)	630424	3.18	956518	3.57	1067267	6.26
SS-3(0-2)	596902	3.18	928928	3.57	1034575	6.26
SS-3(0-2)MS	562027	3.18	891924	3.57	1053344	6.26
SS-3(0-2)MSD	564224	3.19	897863	3.57	1037874	6.26
SS-4(0-2)	595422	3.19	907722	3.57	1034393	6.26
SS-6(0-2)	597542	3.19	943630	3.57	1063106	6.26
SS-7(0-2)	564066	3.18	861759	3.57	849937	6.26
SS-8(0-2)	602654	3.19	902912	3.57	1046250	6.26
SS-9(0-2)	631266	3.19	966358	3.57	1044193	6.26
SS-10(0-2)	597598	3.19	913147	3.58	902517	6.26
SS-11(0-2)	505314	3.18	757739	3.57	626324	6.26
BSK0309S1	574915	3.18	917768	3.57	1047816	6.26
VBK0309S1	590180	3.18	906734	3.57	1074061	6.26

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VK037965.D Date Analyzed: 03/09/2010
Instrument ID: MSVOAK Time Analyzed: 12:04
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	604094	8.59				
UPPER LIMIT	1208188	9.09				
LOWER LIMIT	302047	8.09				
EPA SAMPLE NO.						
SS-1 (0-2)	552803	8.59				
SS-2 (0-2)	543481	8.59				
SS-3 (0-2)	565471	8.59				
SS-3 (0-2)MS	561295	8.59				
SS-3 (0-2)MSD	562029	8.59				
SS-4 (0-2)	510577	8.59				
SS-6 (0-2)	572508	8.59				
SS-7 (0-2)	335218	8.59				
SS-8 (0-2)	514421	8.59				
SS-9 (0-2)	512006	8.59				
SS-10 (0-2)	364497	8.59				
SS-11 (0-2)	195259 *	8.59				
BSK0309S1	586448	8.59				
VBK0309S1	595004	8.59				

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VK037988.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAK Time Analyzed: 10:06
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	589064	3.19	965891	3.57	1104395	6.26
UPPER LIMIT	1178128	3.69	1931782	4.07	2208790	6.76
LOWER LIMIT	294532	2.69	482945.5	3.07	552197.5	5.76
EPA SAMPLE NO.						
SS-11(0-2)RE	493983	3.19	739812	3.57	535098 *	6.26
SS-12(0-2)	480174	3.19	693885	3.57	558073	6.26
SS-12(0-2)RE	511905	3.19	769539	3.57	727412	6.26
DUP-01	586723	3.19	897727	3.57	1004276	6.26
BSK0310S1	604407	3.19	958218	3.56	1102212	6.26
VBK0310S1	630310	3.19	963482	3.57	1077306	6.26

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546
Lab File ID: VK037988.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAK Time Analyzed: 10:06
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	636409	8.59				
UPPER LIMIT	1272818	9.09				
LOWER LIMIT	318204.5	8.09				
EPA SAMPLE NO.						
SS-11(0-2)RE	149094 *	8.59				
SS-12(0-2)	158384 *	8.59				
SS-12(0-2)RE	272369 *	8.59				
DUP-01	518869	8.59				
BSK0310S1	620529	8.59				
VBK0310S1	611211	8.59				

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 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.



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-01

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062532.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	19000		U
108-95-2	Phenol	19000		U
111-44-4	bis(2-Chloroethyl)ether	19000		U
95-57-8	2-Chlorophenol	19000		U
95-48-7	2-Methylphenol	19000		U
108-60-1	2,2-oxybis(1-Chloropropane)	19000		U
98-86-2	Acetophenone	19000		U
65794-96-9	3+4-Methylphenols	19000		U
621-64-7	N-Nitroso-di-n-propylamine	19000		U
67-72-1	Hexachloroethane	19000		U
98-95-3	Nitrobenzene	19000		U
78-59-1	Isophorone	19000		U
88-75-5	2-Nitrophenol	19000		U
105-67-9	2,4-Dimethylphenol	19000		U
111-91-1	bis(2-Chloroethoxy)methane	19000		U
120-83-2	2,4-Dichlorophenol	19000		U
91-20-3	Naphthalene	19000		U
106-47-8	4-Chloroaniline	19000		U
87-68-3	Hexachlorobutadiene	19000		U
105-60-2	Caprolactam	19000		U
59-50-7	4-Chloro-3-methylphenol	19000		U
91-57-6	2-Methylnaphthalene	19000		U
77-47-4	Hexachlorocyclopentadiene	19000		U
88-06-2	2,4,6-Trichlorophenol	19000		U
95-95-4	2,4,5-Trichlorophenol	19000		U
92-52-4	1,1-Biphenyl	19000		U
91-58-7	2-Chloronaphthalene	19000		U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-01Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062532.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 13 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
88-74-4	2-Nitroaniline	19000	U
131-11-3	Dimethylphthalate	19000	U
208-96-8	Acenaphthylene	19000	U
606-20-2	2,6-Dinitrotoluene	19000	U
99-09-2	3-Nitroaniline	19000	U
83-32-9	Acenaphthene	19000	U
51-28-5	2,4-Dinitrophenol	19000	U
100-02-7	4-Nitrophenol	19000	U
132-64-9	Dibenzofuran	19000	U
121-14-2	2,4-Dinitrotoluene	19000	U
84-66-2	Diethylphthalate	19000	U
7005-72-3	4-Chlorophenyl-phenylether	19000	U
86-73-7	Fluorene	19000	U
100-01-6	4-Nitroaniline	19000	U
534-52-1	4,6-Dinitro-2-methylphenol	19000	U
86-30-6	N-Nitrosodiphenylamine	19000	U
101-55-3	4-Bromophenyl-phenylether	19000	U
118-74-1	Hexachlorobenzene	19000	U
1912-24-9	Atrazine	19000	U
87-86-5	Pentachlorophenol	19000	U
85-01-8	Phenanthrene	19000	U
120-12-7	Anthracene	19000	U
86-74-8	Carbazole	19000	U
84-74-2	Di-n-butylphthalate	19000	U
206-44-0	Fluoranthene	19000	U
129-00-0	Pyrene	19000	U
85-68-7	Butylbenzylphthalate	19000	U
91-94-1	3,3-Dichlorobenzidine	19000	U
56-55-3	Benzo(a)anthracene	19000	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-01Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062532.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 13 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH
Concentration Units:CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

218-01-9	Chrysene	19000	U
117-81-7	bis(2-Ethylhexyl)phthalate	19000	U
117-84-0	Di-n-octyl phthalate	19000	U
205-99-2	Benzo(b)fluoranthene	19000	U
207-08-9	Benzo(k)fluoranthene	19000	U
50-32-8	Benzo(a)pyrene	19000	U
193-39-5	Indeno(1,2,3-cd)pyrene	19000	U
53-70-3	Dibenz(a,h)anthracene	19000	U
191-24-2	Benzo(g,h,i)perylene	19000	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-01

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062532.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	14000	AB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-02

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062520.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	1200	JB

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-02Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062520.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-02Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062520.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-02

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062520.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.93	840	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.41	11000	AB
506-52-5	1-Hexacosanol	12.6	720	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-03

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062521.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3600	U
108-95-2	Phenol	3600	U
111-44-4	bis(2-Chloroethyl)ether	3600	U
95-57-8	2-Chlorophenol	3600	U
95-48-7	2-Methylphenol	3600	U
108-60-1	2,2-oxybis(1-Chloropropane)	3600	U
98-86-2	Acetophenone	3600	U
65794-96-9	3+4-Methylphenols	3600	U
621-64-7	N-Nitroso-di-n-propylamine	3600	U
67-72-1	Hexachloroethane	3600	U
98-95-3	Nitrobenzene	3600	U
78-59-1	Isophorone	3600	U
88-75-5	2-Nitrophenol	3600	U
105-67-9	2,4-Dimethylphenol	3600	U
111-91-1	bis(2-Chloroethoxy)methane	3600	U
120-83-2	2,4-Dichlorophenol	3600	U
91-20-3	Naphthalene	3600	U
106-47-8	4-Chloroaniline	3600	U
87-68-3	Hexachlorobutadiene	3600	U
105-60-2	Caprolactam	3600	U
59-50-7	4-Chloro-3-methylphenol	3600	U
91-57-6	2-Methylnaphthalene	3600	U
77-47-4	Hexachlorocyclopentadiene	3600	U
88-06-2	2,4,6-Trichlorophenol	3600	U
95-95-4	2,4,5-Trichlorophenol	3600	U
92-52-4	1,1-Biphenyl	3600	U
91-58-7	2-Chloronaphthalene	3600	U
88-74-4	2-Nitroaniline	3600	U
131-11-3	Dimethylphthalate	2000	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-03

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062521.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U
99-09-2	3-Nitroaniline	3600	U
83-32-9	Acenaphthene	3600	U
51-28-5	2,4-Dinitrophenol	3600	U
100-02-7	4-Nitrophenol	3600	U
132-64-9	Dibenzofuran	3600	U
121-14-2	2,4-Dinitrotoluene	3600	U
84-66-2	Diethylphthalate	3600	U
7005-72-3	4-Chlorophenyl-phenylether	3600	U
86-73-7	Fluorene	3600	U
100-01-6	4-Nitroaniline	3600	U
534-52-1	4,6-Dinitro-2-methylphenol	3600	U
86-30-6	N-Nitrosodiphenylamine	3600	U
101-55-3	4-Bromophenyl-phenylether	3600	U
118-74-1	Hexachlorobenzene	3600	U
1912-24-9	Atrazine	3600	U
87-86-5	Pentachlorophenol	3600	U
85-01-8	Phenanthrene	3600	U
120-12-7	Anthracene	3600	U
86-74-8	Carbazole	3600	U
84-74-2	Di-n-butylphthalate	3600	U
206-44-0	Fluoranthene	3600	U
129-00-0	Pyrene	3600	U
85-68-7	Butylbenzylphthalate	3600	U
91-94-1	3,3-Dichlorobenzidine	3600	U
56-55-3	Benzo(a)anthracene	3600	U
218-01-9	Chrysene	3600	U
117-81-7	bis(2-Ethylhexyl)phthalate	55000	E

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-03Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062521.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3600	U
205-99-2	Benzo(b)fluoranthene	3600	U
207-08-9	Benzo(k)fluoranthene	3600	U
50-32-8	Benzo(a)pyrene	3600	U
193-39-5	Indeno(1,2,3-cd)pyrene	3600	U
53-70-3	Dibenz(a,h)anthracene	3600	U
191-24-2	Benzo(g,h,i)perylene	3600	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-03

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062521.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	1000	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.41	13000	AB
103604-31-5	Cyclopropanecarboxylic acid, 2-eth	5.05	790	J
110-82-7	Cyclohexane	5.08	940	J
18835-33-1	1-Hexacosene	12.61	1600	J
593-49-7	Heptacosane	14.37	1700	J
25117-26-4	Hexadecane, 4-methyl-	15.72	910	J
13151-79-6	Undecane, 4-cyclohexyl-	15.8	1700	J
	Unknown16.9	16.9	1500	J
83-46-5	.beta.-Sitosterol	18.26	3300	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)DL

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-03DL

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062540.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	18000	UD
108-95-2	Phenol	18000	UD
111-44-4	bis(2-Chloroethyl)ether	18000	UD
95-57-8	2-Chlorophenol	18000	UD
95-48-7	2-Methylphenol	18000	UD
108-60-1	2,2-oxybis(1-Chloropropane)	18000	UD
98-86-2	Acetophenone	18000	UD
65794-96-9	3+4-Methylphenols	18000	UD
621-64-7	N-Nitroso-di-n-propylamine	18000	UD
67-72-1	Hexachloroethane	18000	UD
98-95-3	Nitrobenzene	18000	UD
78-59-1	Isophorone	18000	UD
88-75-5	2-Nitrophenol	18000	UD
105-67-9	2,4-Dimethylphenol	18000	UD
111-91-1	bis(2-Chloroethoxy)methane	18000	UD
120-83-2	2,4-Dichlorophenol	18000	UD
91-20-3	Naphthalene	18000	UD
106-47-8	4-Chloroaniline	18000	UD
87-68-3	Hexachlorobutadiene	18000	UD
105-60-2	Caprolactam	18000	UD
59-50-7	4-Chloro-3-methylphenol	18000	UD
91-57-6	2-Methylnaphthalene	18000	UD
77-47-4	Hexachlorocyclopentadiene	18000	UD
88-06-2	2,4,6-Trichlorophenol	18000	UD
95-95-4	2,4,5-Trichlorophenol	18000	UD
92-52-4	1,1-Biphenyl	18000	UD
91-58-7	2-Chloronaphthalene	18000	UD
88-74-4	2-Nitroaniline	18000	UD
131-11-3	Dimethylphthalate	18000	UD

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)DL

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-03DL

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062540.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	18000	UD
606-20-2	2,6-Dinitrotoluene	18000	UD
99-09-2	3-Nitroaniline	18000	UD
83-32-9	Acenaphthene	18000	UD
51-28-5	2,4-Dinitrophenol	18000	UD
100-02-7	4-Nitrophenol	18000	UD
132-64-9	Dibenzofuran	18000	UD
121-14-2	2,4-Dinitrotoluene	18000	UD
84-66-2	Diethylphthalate	18000	UD
7005-72-3	4-Chlorophenyl-phenylether	18000	UD
86-73-7	Fluorene	18000	UD
100-01-6	4-Nitroaniline	18000	UD
534-52-1	4,6-Dinitro-2-methylphenol	18000	UD
86-30-6	N-Nitrosodiphenylamine	18000	UD
101-55-3	4-Bromophenyl-phenylether	18000	UD
118-74-1	Hexachlorobenzene	18000	UD
1912-24-9	Atrazine	18000	UD
87-86-5	Pentachlorophenol	18000	UD
85-01-8	Phenanthrene	18000	UD
120-12-7	Anthracene	18000	UD
86-74-8	Carbazole	18000	UD
84-74-2	Di-n-butylphthalate	18000	UD
206-44-0	Fluoranthene	18000	UD
129-00-0	Pyrene	18000	UD
85-68-7	Butylbenzylphthalate	18000	UD
91-94-1	3,3-Dichlorobenzidine	18000	UD
56-55-3	Benzo(a)anthracene	18000	UD
218-01-9	Chrysene	18000	UD
117-81-7	bis(2-Ethylhexyl)phthalate	46000	D

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)DL

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-03DLSample wt/vol: 3.06 (g/mL) g Lab File ID: BE062540.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 11 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	18000	UD
205-99-2	Benzo(b)fluoranthene	18000	UD
207-08-9	Benzo(k)fluoranthene	18000	UD
50-32-8	Benzo(a)pyrene	18000	UD
193-39-5	Indeno(1,2,3-cd)pyrene	18000	UD
53-70-3	Dibenz(a,h)anthracene	18000	UD
191-24-2	Benzo(g,h,i)perylene	18000	UD

Comments: _____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-06

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062524.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3700	U
108-95-2	Phenol	3700	U
111-44-4	bis(2-Chloroethyl)ether	3700	U
95-57-8	2-Chlorophenol	3700	U
95-48-7	2-Methylphenol	3700	U
108-60-1	2,2-oxybis(1-Chloropropane)	3700	U
98-86-2	Acetophenone	3700	U
65794-96-9	3+4-Methylphenols	3700	U
621-64-7	N-Nitroso-di-n-propylamine	3700	U
67-72-1	Hexachloroethane	3700	U
98-95-3	Nitrobenzene	3700	U
78-59-1	Isophorone	3700	U
88-75-5	2-Nitrophenol	3700	U
105-67-9	2,4-Dimethylphenol	3700	U
111-91-1	bis(2-Chloroethoxy)methane	3700	U
120-83-2	2,4-Dichlorophenol	3700	U
91-20-3	Naphthalene	3700	U
106-47-8	4-Chloroaniline	3700	U
87-68-3	Hexachlorobutadiene	3700	U
105-60-2	Caprolactam	3700	U
59-50-7	4-Chloro-3-methylphenol	3700	U
91-57-6	2-Methylnaphthalene	3700	U
77-47-4	Hexachlorocyclopentadiene	3700	U
88-06-2	2,4,6-Trichlorophenol	3700	U
95-95-4	2,4,5-Trichlorophenol	3700	U
92-52-4	1,1-Biphenyl	3700	U
91-58-7	2-Chloronaphthalene	3700	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	1200	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-06

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062524.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3700	U
606-20-2	2,6-Dinitrotoluene	3700	U
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	3700	U
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	3700	U
121-14-2	2,4-Dinitrotoluene	3700	U
84-66-2	Diethylphthalate	3700	U
7005-72-3	4-Chlorophenyl-phenylether	3700	U
86-73-7	Fluorene	3700	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine	3700	U
101-55-3	4-Bromophenyl-phenylether	3700	U
118-74-1	Hexachlorobenzene	3700	U
1912-24-9	Atrazine	3700	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	3700	U
120-12-7	Anthracene	3700	U
86-74-8	Carbazole	3700	U
84-74-2	Di-n-butylphthalate	3700	U
206-44-0	Fluoranthene	560	J
129-00-0	Pyrene	550	J
85-68-7	Butylbenzylphthalate	3700	U
91-94-1	3,3-Dichlorobenzidine	3700	U
56-55-3	Benzo(a)anthracene	3700	U
218-01-9	Chrysene	480	J
117-81-7	bis(2-Ethylhexyl)phthalate	3700	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-06Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062524.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 14 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3700	U
205-99-2	Benzo(b)fluoranthene	780	J
207-08-9	Benzo(k)fluoranthene	3700	U
50-32-8	Benzo(a)pyrene	610	J
193-39-5	Indeno(1,2,3-cd)pyrene	530	J
53-70-3	Dibenz(a,h)anthracene	3700	U
191-24-2	Benzo(g,h,i)perylene	610	J

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-06

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062524.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	1000	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	13000	AB
557-61-9	Octacosanol	12.6	1300	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-07

Sample wt/vol: 3.09 (g/mL) g Lab File ID: BE062525.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	1600	JB

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-07Sample wt/vol: 3.09 (g/mL) g Lab File ID: BE062525.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-07Sample wt/vol: 3.09 (g/mL) g Lab File ID: BE062525.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-5(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-07

Sample wt/vol: 3.09 (g/mL) g Lab File ID: BE062525.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	9700	AB
1599-67-3	1-Docosene	12.6	910	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-08

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062526.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3600	U
108-95-2	Phenol	3600	U
111-44-4	bis(2-Chloroethyl)ether	3600	U
95-57-8	2-Chlorophenol	3600	U
95-48-7	2-Methylphenol	3600	U
108-60-1	2,2-oxybis(1-Chloropropane)	3600	U
98-86-2	Acetophenone	3600	U
65794-96-9	3+4-Methylphenols	3600	U
621-64-7	N-Nitroso-di-n-propylamine	3600	U
67-72-1	Hexachloroethane	3600	U
98-95-3	Nitrobenzene	3600	U
78-59-1	Isophorone	3600	U
88-75-5	2-Nitrophenol	3600	U
105-67-9	2,4-Dimethylphenol	3600	U
111-91-1	bis(2-Chloroethoxy)methane	3600	U
120-83-2	2,4-Dichlorophenol	3600	U
91-20-3	Naphthalene	3600	U
106-47-8	4-Chloroaniline	3600	U
87-68-3	Hexachlorobutadiene	3600	U
105-60-2	Caprolactam	3600	U
59-50-7	4-Chloro-3-methylphenol	3600	U
91-57-6	2-Methylnaphthalene	3600	U
77-47-4	Hexachlorocyclopentadiene	3600	U
88-06-2	2,4,6-Trichlorophenol	3600	U
95-95-4	2,4,5-Trichlorophenol	3600	U
92-52-4	1,1-Biphenyl	3600	U
91-58-7	2-Chloronaphthalene	3600	U
88-74-4	2-Nitroaniline	3600	U
131-11-3	Dimethylphthalate	1600	JB

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-08Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062526.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 10 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U
99-09-2	3-Nitroaniline	3600	U
83-32-9	Acenaphthene	3600	U
51-28-5	2,4-Dinitrophenol	3600	U
100-02-7	4-Nitrophenol	3600	U
132-64-9	Dibenzofuran	3600	U
121-14-2	2,4-Dinitrotoluene	3600	U
84-66-2	Diethylphthalate	3600	U
7005-72-3	4-Chlorophenyl-phenylether	3600	U
86-73-7	Fluorene	3600	U
100-01-6	4-Nitroaniline	3600	U
534-52-1	4,6-Dinitro-2-methylphenol	3600	U
86-30-6	N-Nitrosodiphenylamine	3600	U
101-55-3	4-Bromophenyl-phenylether	3600	U
118-74-1	Hexachlorobenzene	3600	U
1912-24-9	Atrazine	3600	U
87-86-5	Pentachlorophenol	3600	U
85-01-8	Phenanthrene	3600	U
120-12-7	Anthracene	3600	U
86-74-8	Carbazole	3600	U
84-74-2	Di-n-butylphthalate	3600	U
206-44-0	Fluoranthene	3600	U
129-00-0	Pyrene	3600	U
85-68-7	Butylbenzylphthalate	3600	U
91-94-1	3,3-Dichlorobenzidine	3600	U
56-55-3	Benzo(a)anthracene	3600	U
218-01-9	Chrysene	3600	U
117-81-7	bis(2-Ethylhexyl)phthalate	3600	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-08Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062526.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 10 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3600	U
205-99-2	Benzo(b)fluoranthene	3600	U
207-08-9	Benzo(k)fluoranthene	3600	U
50-32-8	Benzo(a)pyrene	3600	U
193-39-5	Indeno(1,2,3-cd)pyrene	3600	U
53-70-3	Dibenz(a,h)anthracene	3600	U
191-24-2	Benzo(g,h,i)perylene	3600	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-08

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062526.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	970	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	12000	AB
5444-75-7	Benzoic acid, 2-ethylhexyl ester	9	1100	J
297-24-5	Cyclooctacosane	12.6	1100	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-09

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062533.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	22000	U
108-95-2	Phenol	22000	U
111-44-4	bis(2-Chloroethyl)ether	22000	U
95-57-8	2-Chlorophenol	22000	U
95-48-7	2-Methylphenol	22000	U
108-60-1	2,2-oxybis(1-Chloropropane)	22000	U
98-86-2	Acetophenone	22000	U
65794-96-9	3+4-Methylphenols	22000	U
621-64-7	N-Nitroso-di-n-propylamine	22000	U
67-72-1	Hexachloroethane	22000	U
98-95-3	Nitrobenzene	22000	U
78-59-1	Isophorone	22000	U
88-75-5	2-Nitrophenol	22000	U
105-67-9	2,4-Dimethylphenol	22000	U
111-91-1	bis(2-Chloroethoxy)methane	22000	U
120-83-2	2,4-Dichlorophenol	22000	U
91-20-3	Naphthalene	22000	U
106-47-8	4-Chloroaniline	22000	U
87-68-3	Hexachlorobutadiene	22000	U
105-60-2	Caprolactam	22000	U
59-50-7	4-Chloro-3-methylphenol	22000	U
91-57-6	2-Methylnaphthalene	22000	U
77-47-4	Hexachlorocyclopentadiene	22000	U
88-06-2	2,4,6-Trichlorophenol	22000	U
95-95-4	2,4,5-Trichlorophenol	22000	U
92-52-4	1,1-Biphenyl	22000	U
91-58-7	2-Chloronaphthalene	22000	U
88-74-4	2-Nitroaniline	22000	U
131-11-3	Dimethylphthalate	22000	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-09

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062533.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	22000	U
606-20-2	2,6-Dinitrotoluene	22000	U
99-09-2	3-Nitroaniline	22000	U
83-32-9	Acenaphthene	22000	U
51-28-5	2,4-Dinitrophenol	22000	U
100-02-7	4-Nitrophenol	22000	U
132-64-9	Dibenzofuran	22000	U
121-14-2	2,4-Dinitrotoluene	22000	U
84-66-2	Diethylphthalate	22000	U
7005-72-3	4-Chlorophenyl-phenylether	22000	U
86-73-7	Fluorene	22000	U
100-01-6	4-Nitroaniline	22000	U
534-52-1	4,6-Dinitro-2-methylphenol	22000	U
86-30-6	N-Nitrosodiphenylamine	22000	U
101-55-3	4-Bromophenyl-phenylether	22000	U
118-74-1	Hexachlorobenzene	22000	U
1912-24-9	Atrazine	22000	U
87-86-5	Pentachlorophenol	22000	U
85-01-8	Phenanthrene	22000	U
120-12-7	Anthracene	22000	U
86-74-8	Carbazole	22000	U
84-74-2	Di-n-butylphthalate	22000	U
206-44-0	Fluoranthene	22000	U
129-00-0	Pyrene	22000	U
85-68-7	Butylbenzylphthalate	22000	U
91-94-1	3,3-Dichlorobenzidine	22000	U
56-55-3	Benzo(a)anthracene	22000	U
218-01-9	Chrysene	22000	U
117-81-7	bis(2-Ethylhexyl)phthalate	22000	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-09Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062533.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 25 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	22000	U
205-99-2	Benzo(b)fluoranthene	22000	U
207-08-9	Benzo(k)fluoranthene	22000	U
50-32-8	Benzo(a)pyrene	22000	U
193-39-5	Indeno(1,2,3-cd)pyrene	22000	U
53-70-3	Dibenz(a,h)anthracene	22000	U
191-24-2	Benzo(g,h,i)perylene	22000	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-09

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062533.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	16000	AB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-10

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062527.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 7 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	1100	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-10

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062527.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 7 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-10Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062527.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 7 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-10

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062527.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 7 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	unknown1.94	1.94	830	J
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	11000	AB
544-63-8	Tetradecanoic acid	9.17	1200	J
16134-40-0	3.alpha.-(Trimethylsiloxy)cholest-	12.6	970	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	1200	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	1900	J

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-11Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	860	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	12000	AB
86711-81-1	2- Chloropropionic acid, hexadecyl	12.6	1500	J
54125-39-2	trans-2,3-Epoxydecane	14.37	800	J
112-95-8	Eicosane	15.72	2000	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-12

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062529.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	4400	U
108-95-2	Phenol	4400	U
111-44-4	bis(2-Chloroethyl)ether	4400	U
95-57-8	2-Chlorophenol	4400	U
95-48-7	2-Methylphenol	4400	U
108-60-1	2,2-oxybis(1-Chloropropane)	4400	U
98-86-2	Acetophenone	4400	U
65794-96-9	3+4-Methylphenols	4400	U
621-64-7	N-Nitroso-di-n-propylamine	4400	U
67-72-1	Hexachloroethane	4400	U
98-95-3	Nitrobenzene	4400	U
78-59-1	Isophorone	4400	U
88-75-5	2-Nitrophenol	4400	U
105-67-9	2,4-Dimethylphenol	4400	U
111-91-1	bis(2-Chloroethoxy)methane	4400	U
120-83-2	2,4-Dichlorophenol	4400	U
91-20-3	Naphthalene	4400	U
106-47-8	4-Chloroaniline	4400	U
87-68-3	Hexachlorobutadiene	4400	U
105-60-2	Caprolactam	4400	U
59-50-7	4-Chloro-3-methylphenol	4400	U
91-57-6	2-Methylnaphthalene	4400	U
77-47-4	Hexachlorocyclopentadiene	4400	U
88-06-2	2,4,6-Trichlorophenol	4400	U
95-95-4	2,4,5-Trichlorophenol	4400	U
92-52-4	1,1-Biphenyl	4400	U
91-58-7	2-Chloronaphthalene	4400	U
88-74-4	2-Nitroaniline	4400	U
131-11-3	Dimethylphthalate	1200	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-12

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062529.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	4400	U
606-20-2	2,6-Dinitrotoluene	4400	U
99-09-2	3-Nitroaniline	4400	U
83-32-9	Acenaphthene	4400	U
51-28-5	2,4-Dinitrophenol	4400	U
100-02-7	4-Nitrophenol	4400	U
132-64-9	Dibenzofuran	4400	U
121-14-2	2,4-Dinitrotoluene	4400	U
84-66-2	Diethylphthalate	4400	U
7005-72-3	4-Chlorophenyl-phenylether	4400	U
86-73-7	Fluorene	4400	U
100-01-6	4-Nitroaniline	4400	U
534-52-1	4,6-Dinitro-2-methylphenol	4400	U
86-30-6	N-Nitrosodiphenylamine	4400	U
101-55-3	4-Bromophenyl-phenylether	4400	U
118-74-1	Hexachlorobenzene	4400	U
1912-24-9	Atrazine	4400	U
87-86-5	Pentachlorophenol	4400	U
85-01-8	Phenanthrene	4400	U
120-12-7	Anthracene	4400	U
86-74-8	Carbazole	4400	U
84-74-2	Di-n-butylphthalate	4400	U
206-44-0	Fluoranthene	4400	U
129-00-0	Pyrene	4400	U
85-68-7	Butylbenzylphthalate	4400	U
91-94-1	3,3-Dichlorobenzidine	4400	U
56-55-3	Benzo(a)anthracene	4400	U
218-01-9	Chrysene	4400	U
117-81-7	bis(2-Ethylhexyl)phthalate	4400	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-12Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062529.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 27 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	4400	U
205-99-2	Benzo(b)fluoranthene	4400	U
207-08-9	Benzo(k)fluoranthene	4400	U
50-32-8	Benzo(a)pyrene	4400	U
193-39-5	Indeno(1,2,3-cd)pyrene	4400	U
53-70-3	Dibenz(a,h)anthracene	4400	U
191-24-2	Benzo(g,h,i)perylene	4400	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-12

Sample wt/vol: 3.05 (g/mL) g Lab File ID: BE062529.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 27 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	1100	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	12000	AB
18835-33-1	1-Hexacosene	12.61	1200	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-13

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062598.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 33 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	24000	U
108-95-2	Phenol	24000	U
111-44-4	bis(2-Chloroethyl)ether	24000	U
95-57-8	2-Chlorophenol	24000	U
95-48-7	2-Methylphenol	24000	U
108-60-1	2,2-oxybis(1-Chloropropane)	24000	U
98-86-2	Acetophenone	24000	U
65794-96-9	3+4-Methylphenols	24000	U
621-64-7	N-Nitroso-di-n-propylamine	24000	U
67-72-1	Hexachloroethane	24000	U
98-95-3	Nitrobenzene	24000	U
78-59-1	Isophorone	24000	U
88-75-5	2-Nitrophenol	24000	U
105-67-9	2,4-Dimethylphenol	24000	U
111-91-1	bis(2-Chloroethoxy)methane	24000	U
120-83-2	2,4-Dichlorophenol	24000	U
91-20-3	Naphthalene	24000	U
106-47-8	4-Chloroaniline	24000	U
87-68-3	Hexachlorobutadiene	24000	U
105-60-2	Caprolactam	24000	U
59-50-7	4-Chloro-3-methylphenol	24000	U
91-57-6	2-Methylnaphthalene	24000	U
77-47-4	Hexachlorocyclopentadiene	24000	U
88-06-2	2,4,6-Trichlorophenol	24000	U
95-95-4	2,4,5-Trichlorophenol	24000	U
92-52-4	1,1-Biphenyl	24000	U
91-58-7	2-Chloronaphthalene	24000	U
88-74-4	2-Nitroaniline	24000	U
131-11-3	Dimethylphthalate	24000	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-13

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062598.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 33 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	24000	U
606-20-2	2,6-Dinitrotoluene	24000	U
99-09-2	3-Nitroaniline	24000	U
83-32-9	Acenaphthene	24000	U
51-28-5	2,4-Dinitrophenol	24000	U
100-02-7	4-Nitrophenol	24000	U
132-64-9	Dibenzofuran	24000	U
121-14-2	2,4-Dinitrotoluene	24000	U
84-66-2	Diethylphthalate	24000	U
7005-72-3	4-Chlorophenyl-phenylether	24000	U
86-73-7	Fluorene	24000	U
100-01-6	4-Nitroaniline	24000	U
534-52-1	4,6-Dinitro-2-methylphenol	24000	U
86-30-6	N-Nitrosodiphenylamine	24000	U
101-55-3	4-Bromophenyl-phenylether	24000	U
118-74-1	Hexachlorobenzene	24000	U
1912-24-9	Atrazine	24000	U
87-86-5	Pentachlorophenol	24000	U
85-01-8	Phenanthrene	24000	U
120-12-7	Anthracene	24000	U
86-74-8	Carbazole	24000	U
84-74-2	Di-n-butylphthalate	24000	U
206-44-0	Fluoranthene	24000	U
129-00-0	Pyrene	24000	U
85-68-7	Butylbenzylphthalate	24000	U
91-94-1	3,3-Dichlorobenzidine	24000	U
56-55-3	Benzo(a)anthracene	24000	U
218-01-9	Chrysene	24000	U
117-81-7	bis(2-Ethylhexyl)phthalate	24000	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-13Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062598.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 33 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10Injection Volume: 1 Dilution Factor: 5GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	24000	U
205-99-2	Benzo(b)fluoranthene	24000	U
207-08-9	Benzo(k)fluoranthene	24000	U
50-32-8	Benzo(a)pyrene	24000	U
193-39-5	Indeno(1,2,3-cd)pyrene	24000	U
53-70-3	Dibenz(a,h)anthracene	24000	U
191-24-2	Benzo(g,h,i)perylene	24000	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-13

Sample wt/vol: 3.06 (g/mL) g Lab File ID: BE062598.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 33 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 5

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	16000	AB
111-06-8	Hexadecanoic acid, butyl ester	11.26	7400	J
123-95-5	Octadecanoic acid, butyl ester	12.13	5700	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-14

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062530.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 44 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	5700	U
108-95-2	Phenol	5700	U
111-44-4	bis(2-Chloroethyl)ether	5700	U
95-57-8	2-Chlorophenol	5700	U
95-48-7	2-Methylphenol	5700	U
108-60-1	2,2-oxybis(1-Chloropropane)	5700	U
98-86-2	Acetophenone	5700	U
65794-96-9	3+4-Methylphenols	5700	U
621-64-7	N-Nitroso-di-n-propylamine	5700	U
67-72-1	Hexachloroethane	5700	U
98-95-3	Nitrobenzene	5700	U
78-59-1	Isophorone	5700	U
88-75-5	2-Nitrophenol	5700	U
105-67-9	2,4-Dimethylphenol	5700	U
111-91-1	bis(2-Chloroethoxy)methane	5700	U
120-83-2	2,4-Dichlorophenol	5700	U
91-20-3	Naphthalene	5700	U
106-47-8	4-Chloroaniline	5700	U
87-68-3	Hexachlorobutadiene	5700	U
105-60-2	Caprolactam	5700	U
59-50-7	4-Chloro-3-methylphenol	5700	U
91-57-6	2-Methylnaphthalene	5700	U
77-47-4	Hexachlorocyclopentadiene	5700	U
88-06-2	2,4,6-Trichlorophenol	5700	U
95-95-4	2,4,5-Trichlorophenol	5700	U
92-52-4	1,1-Biphenyl	5700	U
91-58-7	2-Chloronaphthalene	5700	U
88-74-4	2-Nitroaniline	5700	U
131-11-3	Dimethylphthalate	2700	JB

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-14Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062530.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 44 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	5700	U
606-20-2	2,6-Dinitrotoluene	5700	U
99-09-2	3-Nitroaniline	5700	U
83-32-9	Acenaphthene	5700	U
51-28-5	2,4-Dinitrophenol	5700	U
100-02-7	4-Nitrophenol	5700	U
132-64-9	Dibenzofuran	5700	U
121-14-2	2,4-Dinitrotoluene	5700	U
84-66-2	Diethylphthalate	5700	U
7005-72-3	4-Chlorophenyl-phenylether	5700	U
86-73-7	Fluorene	5700	U
100-01-6	4-Nitroaniline	5700	U
534-52-1	4,6-Dinitro-2-methylphenol	5700	U
86-30-6	N-Nitrosodiphenylamine	5700	U
101-55-3	4-Bromophenyl-phenylether	5700	U
118-74-1	Hexachlorobenzene	5700	U
1912-24-9	Atrazine	5700	U
87-86-5	Pentachlorophenol	5700	U
85-01-8	Phenanthrene	5700	U
120-12-7	Anthracene	5700	U
86-74-8	Carbazole	5700	U
84-74-2	Di-n-butylphthalate	5700	U
206-44-0	Fluoranthene	5700	U
129-00-0	Pyrene	5700	U
85-68-7	Butylbenzylphthalate	5700	U
91-94-1	3,3-Dichlorobenzidine	5700	U
56-55-3	Benzo(a)anthracene	5700	U
218-01-9	Chrysene	5700	U
117-81-7	bis(2-Ethylhexyl)phthalate	830	J

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-14Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062530.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 44 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	5700	U
205-99-2	Benzo(b)fluoranthene	5700	U
207-08-9	Benzo(k)fluoranthene	5700	U
50-32-8	Benzo(a)pyrene	5700	U
193-39-5	Indeno(1,2,3-cd)pyrene	5700	U
53-70-3	Dibenz(a,h)anthracene	5700	U
191-24-2	Benzo(g,h,i)perylene	5700	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-14

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062530.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 44 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 18

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	1300	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	18000	AB
94-59-7	1,3-Benzodioxole, 5-(2-propenyl)-	6.71	2400	J
58-08-2	Caffeine	9.77	18000	J
57-10-3	n-Hexadecanoic acid	10.2	1400	J
1000159-37-3	1,37-Octatriacontadiene	12.35	1300	J
1000131-18-9	Z-14-Nonacosane	12.61	5400	J
638-66-4	Octadecanal	13.15	1500	J
71502-22-2	9-Hexacosene	13.42	12000	J
4429-77-0	Cycloheptadecanol	14.06	2300	J
14739-72-1	Heneicosane, 11-pentyl-	14.37	4400	J
18435-45-5	1-Nonadecene	14.42	2800	J
55517-75-4	Cyclohexane, (1-hexadecylheptadecy	15.31	3000	J
112-95-8	Eicosane	15.73	2800	J
593-50-0	1-Triacontanol	15.81	14000	J
5337-61-1	2-Octadecyl-propane-1,3-diol	17.11	3000	J
83-46-5	.beta.-Sitosterol	18.26	11000	J
1058-61-3	Stigmast-4-en-3-one	20.01	6000	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-15

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062531.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	1200	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-15

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062531.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-15Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062531.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-15

Sample wt/vol: 3.08 (g/mL) g Lab File ID: BE062531.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.94	800	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	10000	AB
4238-35-1	1,8,15,22-Tetraaza-2,7,16,21-cyclo	12.6	1500	J
55282-14-9	Docosane, 9-butyl-	15.72	980	J



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-16Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062517.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/L</u>	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-16Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062517.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/L</u>	Q
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDBLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): WATER Lab Sample ID: B1546-16Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062517.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELDBLANK

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): WATER Lab Sample ID: B1546-16

Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062517.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/09/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Concentration Units: ug/L

Number TICS found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.93	6.5	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.41	10	AB

Hit Summary Sheet

SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
Client ID : DUP-01									
B1546-15	DUP-01	SOIL	Dimethylphthalate		1,200.000	JB	3500	95	ug/Kg
Total Svoc :					1,200.00				
B1546-15	DUP-01	SOIL	Docosane, 9-butyl-	*	980.000	J	0	0	ug/Kg
B1546-15	DUP-01	SOIL	1,8,15,22-Tetraaza-2,7,16,21-cyclo	*	1,500.000	J	0	0	ug/Kg
B1546-15	DUP-01	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	10,000.000	AB	0	0	ug/Kg
B1546-15	DUP-01	SOIL	Butane, 2-methoxy-2-methyl-	*	800.000	JB	0	0	ug/Kg
Total Tics :					13,280.00				
Total Concentration:					14,480.00				
Client ID : FIELDBLANK									
B1546-16	FIELDBLANK	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	10.000	AB	0	0	ug/L
B1546-16	FIELDBLANK	WATER	Butane, 2-methoxy-2-methyl-	*	6.500	JB	0	0	ug/L
Total Tics :					16.50				
Total Concentration:					16.50				
Client ID : SS-1(0-2)									
B1546-01	SS-1(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	14,000.000	AB	0	0	ug/Kg
Total Tics :					14,000.00				
Total Concentration:					14,000.00				
Client ID : SS-10(0-2)									
B1546-12	SS-10(0-2)	SOIL	Dimethylphthalate		1,200.000	JB	4400	120	ug/Kg
Total Svoc :					1,200.00				
B1546-12	SS-10(0-2)	SOIL	1-Hexacosene	*	1,200.000	J	0	0	ug/Kg
B1546-12	SS-10(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	12,000.000	AB	0	0	ug/Kg
B1546-12	SS-10(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	JB	0	0	ug/Kg
Total Tics :					14,300.00				
Total Concentration:					15,500.00				
Client ID : SS-11(0-2)									
B1546-13	SS-11(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	16,000.000	AB	0	0	ug/Kg
B1546-13	SS-11(0-2)	SOIL	Hexadecanoic acid, butyl ester	*	7,400.000	J	0	0	ug/Kg
B1546-13	SS-11(0-2)	SOIL	Octadecanoic acid, butyl ester	*	5,700.000	J	0	0	ug/Kg
Total Tics :					29,100.00				
Total Concentration:					29,100.00				
Client ID : SS-12(0-2)									
B1546-14	SS-12(0-2)	SOIL	Dimethylphthalate		2,700.000	JB	5700	160	ug/Kg
B1546-14	SS-12(0-2)	SOIL	bis(2-Ethylhexyl)phthalate		830.000	J	5700	200	ug/Kg
Total Svoc :					3,530.00				
B1546-14	SS-12(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	JB	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Caffeine	*	18,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Cycloheptadecanol	*	2,300.000	J	0	0	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
B1546-14	SS-12(0-2)	SOIL	Cyclohexane, (1-hexadecylheptadec	* 3,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Eicosane	* 2,800.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Heneicosane, 11-pentyl-	* 4,400.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	n-Hexadecanoic acid	* 1,400.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Octadecanal	* 1,500.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Stigmast-4-en-3-one	* 6,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	Z-14-Nonacosane	* 5,400.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	.beta.-Sitosterol	* 11,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	1,37-Octatriacontadiene	* 1,300.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	1,3-Benzodioxole, 5-(2-propenyl)-	* 2,400.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	1-Nonadecene	* 2,800.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	1-Triacontanol	* 14,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	2-Octadecyl-propane-1,3-diol	* 3,000.000	J	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	* 18,000.000	AB	0	0	ug/Kg
B1546-14	SS-12(0-2)	SOIL	9-Hexacosene	* 12,000.000	J	0	0	ug/Kg

Total Tics : 110,600.00
Total Concentration: 114,130.00

Client ID : SS-2(0-2)

B1546-02	SS-2(0-2)	SOIL	Dimethylphthalate	1,200.000	JB	3500	95	ug/Kg

Total Svoc : 1,200.00

B1546-02	SS-2(0-2)	SOIL	1-Hexacosanol	* 720.000	J	0	0	ug/Kg
B1546-02	SS-2(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	* 11,000.000	AB	0	0	ug/Kg
B1546-02	SS-2(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	* 840.000	JB	0	0	ug/Kg

Total Tics : 12,560.00
Total Concentration: 13,760.00

Client ID : SS-3(0-2)

B1546-03	SS-3(0-2)	SOIL	Dimethylphthalate	2,000.000	JB	3600	99	ug/Kg
B1546-03	SS-3(0-2)	SOIL	bis(2-Ethylhexyl)phthalate	55,000.000	E	3600	130	ug/Kg

Total Svoc : 57,000.00

B1546-03	SS-3(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	* 1,000.000	JB	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Cyclohexane	* 940.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Cyclopropanecarboxylic acid, 2-eth	* 790.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Heptacosane	* 1,700.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Hexadecane, 4-methyl-	* 910.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Undecane, 4-cyclohexyl-	* 1,700.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	Unknown16.9	* 1,500.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	.beta.-Sitosterol	* 3,300.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	1-Hexacosene	* 1,600.000	J	0	0	ug/Kg
B1546-03	SS-3(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	* 13,000.000	AB	0	0	ug/Kg

Total Tics : 26,440.00
Total Concentration: 83,440.00

Client ID : SS-3(0-2)DL

Hit Summary Sheet

SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
B1546-03DL	SS-3(0-2)DL	SOIL	bis(2-Ethylhexyl)phthalate		46,000.000	D	18000	650	ug/Kg
Total Svoc :					46,000.00				
Total Concentration:					46,000.00				
Client ID : SS-4(0-2)									
B1546-06	SS-4(0-2)	SOIL	Dimethylphthalate		1,200.000	JB	3700	100	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Fluoranthene		560.000	J	3700	75	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Pyrene		550.000	J	3700	90	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Chrysene		480.000	J	3700	170	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Benzo(b)fluoranthene		780.000	J	3700	120	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Benzo(a)pyrene		610.000	J	3700	81	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Indeno(1,2,3-cd)pyrene		530.000	J	3700	120	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Benzo(g,h,i)perylene		610.000	J	3700	150	ug/Kg
Total Svoc :					5,320.00				
B1546-06	SS-4(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	*	1,000.000	JB	0	0	ug/Kg
B1546-06	SS-4(0-2)	SOIL	Octacosanol	*	1,300.000	J	0	0	ug/Kg
B1546-06	SS-4(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	13,000.000	AB	0	0	ug/Kg
Total Tics :					15,300.00				
Total Concentration:					20,620.00				
Client ID : SS-5(0-2)									
B1546-07	SS-5(0-2)	SOIL	Dimethylphthalate		1,600.000	JB	3500	95	ug/Kg
Total Svoc :					1,600.00				
B1546-07	SS-5(0-2)	SOIL	1-Docosene	*	910.000	J	0	0	ug/Kg
B1546-07	SS-5(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	9,700.000	AB	0	0	ug/Kg
Total Tics :					10,610.00				
Total Concentration:					12,210.00				
Client ID : SS-6(0-2)									
B1546-08	SS-6(0-2)	SOIL	Dimethylphthalate		1,600.000	JB	3600	98	ug/Kg
Total Svoc :					1,600.00				
B1546-08	SS-6(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	12,000.000	AB	0	0	ug/Kg
B1546-08	SS-6(0-2)	SOIL	Benzoic acid, 2-ethylhexyl ester	*	1,100.000	J	0	0	ug/Kg
B1546-08	SS-6(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	*	970.000	JB	0	0	ug/Kg
B1546-08	SS-6(0-2)	SOIL	Cyclooctacosane	*	1,100.000	J	0	0	ug/Kg
Total Tics :					15,170.00				
Total Concentration:					16,770.00				
Client ID : SS-7(0-2)									
B1546-09	SS-7(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	16,000.000	AB	0	0	ug/Kg
Total Tics :					16,000.00				
Total Concentration:					16,000.00				
Client ID : SS-8(0-2)									
B1546-10	SS-8(0-2)	SOIL	Dimethylphthalate		1,100.000	JB	3500	94	ug/Kg
Total Svoc :					1,100.00				

Hit Summary Sheet

SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units	
B1546-10	SS-8(0-2)	SOIL	Tetradecanoic acid	*	1,200.000	J	0	0	ug/Kg
B1546-10	SS-8(0-2)	SOIL	unknown1.94	*	830.000	J	0	0	ug/Kg
B1546-10	SS-8(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	11,000.000	AB	0	0	ug/Kg
B1546-10	SS-8(0-2)	SOIL	3.alpha.-(Trimethylsiloxy)cholest-	*	970.000	J	0	0	ug/Kg
Total Tics :						14,000.00			
Total Concentration:						15,100.00			
Client ID : SS-9(0-2)									
B1546-11	SS-9(0-2)	SOIL	Dimethylphthalate		1,200.000	JB	3500	94	ug/Kg
B1546-11	SS-9(0-2)	SOIL	bis(2-Ethylhexyl)phthalate		1,900.000	J	3500	120	ug/Kg
Total Svoc :						3,100.00			
B1546-11	SS-9(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	*	860.000	JB	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	Eicosane	*	2,000.000	J	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	trans-2,3-Epoxydecane	*	800.000	J	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	2- Chloropropionic acid, hexadecyl	*	1,500.000	J	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	12,000.000	AB	0	0	ug/Kg
Total Tics :						17,160.00			
Total Concentration:						20,260.00			



-2D-

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Chemtech Contract: PWGR01
Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 () #	S8 () #	TOT OUT
01	PB48174BS	105	104	100	100	117	91			0
02	PB48174B	80	81	78	82	86	82			0
03	SS-2(0-2)	77	83	76	80	91	82			0
04	SS-3(0-2)	86	91	89	90	106	93			0
05	SS-3(0-2)MS	96	96	95	95	115	90			0
06	SS-3(0-2)MSD	93	94	90	90	108	84			0
07	SS-4(0-2)	90	93	90	89	112	90			0
08	SS-5(0-2)	69	71	65	70	79	64			0
09	SS-6(0-2)	89	91	89	89	108	87			0
10	SS-8(0-2)	83	87	82	84	101	83			0
11	SS-9(0-2)	91	90	89	89	108	90			0
12	SS-10(0-2)	72	73	69	71	83	71			0
13	SS-12(0-2)	78	81	78	79	95	78			0
14	DUP-01	74	78	72	73	87	74			0
15	SS-1(0-2)	88	97	90	92	96	85			0
16	SS-7(0-2)	88	94	88	91	93	81			0
17	SS-3(0-2)DL	79	85	80	86	78	71			0
14	SS-11(0-2)	76	77	80	81	72	73			0

QC LIMITS

S1 (2FP) = 2-Fluorophenol	(26-141)
S2 (PHL) = Phenol-d5	(28-142)
S3 (NBZ) = Nitrobenzene-d5	(30-150)
S4 (FBP) = 2-Fluorobiphenyl	(19-182)
S5 (TBP) = 2,4,6-Tribromophenol	(29-150)
S6 (TPH) = Terphenyl-d14	(24-191)
S7 () =	
S8 () =	

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out



-2C-

WATER SEMIVOLATILE SURROGATE RECOVER

Lab Name: Chemtech

Contract: PWGR01

Lab Code: CHEM Case No.: B1546

SAS No.: B1546 SDG No.: B1546

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 () #	S8 () #	TOT OUT
01	PB48156BS	45	28	104	103	126	90			0
02	PB48156BSD	43	26	108	105	128	94			0
03	PB48156B	37	22	97	99	121	100			0
05	FIELDBLANK	37	21	86	84	99	80			0

QC LIMITS

S1 (2FP) = 2-Fluorophenol	(10-160)
S2 (PHL) = Phenol-d5	(10-160)
S3 (NBZ) = Nitrobenzene-d5	(20-139)
S4 (FBP) = 2-Fluorobiphenyl	(10-173)
S5 (TBP) = 2,4,6-Tribromophenol	(10-169)
S6 (TPH) = Terphenyl-d14	(20-171)
S7 () =	
S8 () =	

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-04

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Benzaldehyde	19000	0	5500	29	(10-161)
Phenol	19000	0	16000	84	(43-127)
bis(2-Chloroethyl)ether	19000	0	15000	79	(43-134)
2-Chlorophenol	19000	0	16000	84	(41-131)
2-Methylphenol	19000	0	16000	84	(44-129)
2,2-oxybis(1-Chloropropane)	19000	0	17000	89	(36-137)
Acetophenone	19000	0	17000	89	(48-131)
3+4-Methylphenols	19000	0	16000	84	(44-131)
n-Nitroso-di-n-propylamine	19000	0	17000	89	(41-137)
Hexachloroethane	19000	0	16000	84	(25-142)
Nitrobenzene	19000	0	17000	89	(37-136)
Isophorone	19000	0	16000	84	(42-137)
2-Nitrophenol	19000	0	17000	89	(28-135)
2,4-Dimethylphenol	19000	0	16000	84	(35-136)
bis(2-Chloroethoxy)methane	19000	0	15000	79	(38-139)
2,4-Dichlorophenol	19000	0	16000	84	(34-137)
Naphthalene	19000	0	16000	84	(23-160)
4-Chloroaniline	19000	0	3600	19	(10-160)
Hexachlorobutadiene	19000	0	16000	84	(37-132)
Caprolactam	19000	0	16000	84	(24-145)
4-Chloro-3-methylphenol	19000	0	17000	89	(40-131)
2-Methylnaphthalene	19000	0	16000	84	(37-139)
Hexachlorocyclopentadiene	37000	0	31000	84	(10-128)
2,4,6-Trichlorophenol	19000	0	17000	89	(32-131)
2,4,5-Trichlorophenol	19000	0	17000	89	(39-134)
1,1-Biphenyl	19000	0	17000	89	(47-131)
2-Chloronaphthalene	19000	0	16000	84	(43-133)
2-Nitroaniline	19000	0	18000	95	(41-138)
Dimethylphthalate	19000	2000	18000	84	(51-132)
Acenaphthylene	19000	0	16000	84	(28-155)
2,6-Dinitrotoluene	19000	0	16000	84	(41-130)
3-Nitroaniline	19000	0	11000	58	(10-155)
Acenaphthene	19000	0	17000	89	(32-146)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 2 Out of 78 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-04

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
2,4-Dinitrophenol	37000	0	28000	76	(10-177)
4-Nitrophenol	37000	0	32000	86	(10-155)
Dibenzofuran	19000	0	16000	84	(36-147)
2,4-Dinitrotoluene	19000	0	16000	84	(38-131)
Diethylphthalate	19000	0	16000	84	(47-132)
4-Chlorophenyl-phenylether	19000	0	16000	84	(43-133)
Fluorene	19000	0	16000	84	(17-166)
4-Nitroaniline	19000	0	15000	79	(23-137)
4,6-Dinitro-2-methylphenol	19000	0	16000	84	(10-153)
n-Nitrosodiphenylamine	19000	0	16000	84	(40-143)
4-Bromophenyl-phenylether	19000	0	16000	84	(40-135)
Hexachlorobenzene	19000	0	16000	84	(43-132)
Atrazine	19000	0	16000	84	(38-135)
Pentachlorophenol	37000	0	34000	92	(10-146)
Phenanthrene	19000	0	16000	84	(30-149)
Anthracene	19000	0	16000	84	(27-158)
Carbazole	19000	0	16000	84	(38-147)
Di-n-butylphthalate	19000	0	17000	89	(45-135)
Fluoranthene	19000	0	16000	84	(26-155)
Pyrene	19000	0	17000	89	(22-173)
Butylbenzylphthalate	19000	0	18000	95	(46-141)
3,3-Dichlorobenzidine	19000	0	10000	53	(10-126)
Benzo(a)anthracene	19000	0	16000	84	(27-159)
Chrysene	19000	0	16000	84	(23-166)
Bis(2-ethylhexyl)phthalate	19000	55000	17000	-200*	(39-159)
Di-n-octyl phthalate	19000	0	17000	89	(36-151)
Benzo(b)fluoranthene	19000	0	16000	84	(21-171)
Benzo(k)fluoranthene	19000	0	15000	79	(26-165)
Benzo(a)pyrene	19000	0	16000	84	(26-157)
Indeno(1,2,3-cd)pyrene	19000	0	17000	89	(10-188)
Dibenzo(a,h)anthracene	19000	0	16000	84	(18-147)
Benzo(g,h,i)perylene	19000	0	16000	84	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 2 Out of 78 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-05

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Benzaldehyde	19000	5500	29	0	50	(10-161)
Phenol	19000	16000	84	0	50	(43-127)
bis(2-Chloroethyl)ether	19000	15000	79	0	50	(43-134)
2-Chlorophenol	19000	15000	79	6	50	(41-131)
2-Methylphenol	19000	16000	84	0	50	(44-129)
2,2-oxybis(1-Chloropropane)	19000	16000	84	6	50	(36-137)
Acetophenone	19000	16000	84	6	50	(48-131)
3+4-Methylphenols	19000	16000	84	0	50	(44-131)
n-Nitroso-di-n-propylamine	19000	16000	84	6	50	(41-137)
Hexachloroethane	19000	15000	79	6	50	(25-142)
Nitrobenzene	19000	16000	84	6	50	(37-136)
Isophorone	19000	16000	84	0	50	(42-137)
2-Nitrophenol	19000	16000	84	6	50	(28-135)
2,4-Dimethylphenol	19000	16000	84	0	50	(35-136)
bis(2-Chloroethoxy)methane	19000	15000	79	0	50	(38-139)
2,4-Dichlorophenol	19000	15000	79	6	50	(34-137)
Naphthalene	19000	15000	79	6	50	(23-160)
4-Chloroaniline	19000	2700	14	30	50	(10-160)
Hexachlorobutadiene	19000	15000	79	6	50	(37-132)
Caprolactam	19000	14000	74	13	50	(24-145)
4-Chloro-3-methylphenol	19000	16000	84	6	50	(40-131)
2-Methylnaphthalene	19000	15000	79	6	50	(37-139)
Hexachlorocyclopentadiene	37000	29000	78	7	50	(10-128)
2,4,6-Trichlorophenol	19000	16000	84	6	50	(32-131)
2,4,5-Trichlorophenol	19000	16000	84	6	50	(39-134)
1,1-Biphenyl	19000	17000	89	0	50	(47-131)
2-Chloronaphthalene	19000	15000	79	6	50	(43-133)
2-Nitroaniline	19000	17000	89	7	50	(41-138)
Dimethylphthalate	19000	17000	79	6	50	(51-132)
Acenaphthylene	19000	16000	84	0	50	(28-155)
2,6-Dinitrotoluene	19000	15000	79	6	50	(41-130)
3-Nitroaniline	19000	9800	52	11	50	(10-155)
Acenaphthene	19000	16000	84	6	50	(32-146)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 4 Out of 156 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1546 **SAS No :** B1546 **SDG No:** B1546
Matrix Spike - EPA Sample No : B1546-05

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
2,4-Dinitrophenol	37000	27000	73	4	50	(10-177)
4-Nitrophenol	37000	31000	84	2	50	(10-155)
Dibenzofuran	19000	15000	79	6	50	(36-147)
2,4-Dinitrotoluene	19000	16000	84	0	50	(38-131)
Diethylphthalate	19000	15000	79	6	50	(47-132)
4-Chlorophenyl-phenylether	19000	15000	79	6	50	(43-133)
Fluorene	19000	16000	84	0	50	(17-166)
4-Nitroaniline	19000	14000	74	7	50	(23-137)
4,6-Dinitro-2-methylphenol	19000	15000	79	6	50	(10-153)
n-Nitrosodiphenylamine	19000	16000	84	0	50	(40-143)
4-Bromophenyl-phenylether	19000	15000	79	6	50	(40-135)
Hexachlorobenzene	19000	15000	79	6	50	(43-132)
Atrazine	19000	16000	84	0	50	(38-135)
Pentachlorophenol	37000	33000	89	3	50	(10-146)
Phenanthrene	19000	15000	79	6	50	(30-149)
Anthracene	19000	15000	79	6	50	(27-158)
Carbazole	19000	15000	79	6	50	(38-147)
Di-n-butylphthalate	19000	16000	84	6	50	(45-135)
Fluoranthene	19000	15000	79	6	50	(26-155)
Pyrene	19000	16000	84	6	50	(22-173)
Butylbenzylphthalate	19000	17000	89	7	50	(46-141)
3,3-Dichlorobenzidine	19000	7800	41	26	50	(10-126)
Benzo(a)anthracene	19000	15000	79	6	50	(27-159)
Chrysene	19000	15000	79	6	50	(23-166)
Bis(2-ethylhexyl)phthalate	19000	17000	-200*	0	50	(39-159)
Di-n-octyl phthalate	19000	17000	89	0	50	(36-151)
Benzo(b)fluoranthene	19000	16000	84	0	50	(21-171)
Benzo(k)fluoranthene	19000	15000	79	0	50	(26-165)
Benzo(a)pyrene	19000	15000	79	6	50	(26-157)
Indeno(1,2,3-cd)pyrene	19000	16000	84	6	50	(10-188)
Dibenzo(a,h)anthracene	19000	15000	79	6	50	(18-147)
Benzo(g,h,i)perylene	19000	15000	79	6	50	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 4 Out of 156 outside limits

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : PB48156BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Benzaldehyde	50		17	34	(10-161)
Phenol	50		13	26	(10-132)
bis(2-Chloroethyl)ether	50		47	94	(38-127)
2-Chlorophenol	50		37	74	(10-148)
2-Methylphenol	50		31	62	(10-152)
2,2-oxybis(1-Chloropropane)	50		48	96	(46-118)
Acetophenone	50		52	104	(57-116)
3+4-Methylphenols	50		28	56	(10-152)
n-Nitroso-di-n-propylamine	50		50	100	(49-120)
Hexachloroethane	50		42	84	(26-152)
Nitrobenzene	50		49	98	(37-127)
Isophorone	50		50	100	(50-122)
2-Nitrophenol	50		48	96	(49-122)
2,4-Dimethylphenol	50		41	82	(10-119)
bis(2-Chloroethoxy)methane	50		48	96	(48-123)
2,4-Dichlorophenol	50		45	90	(10-124)
Naphthalene	50		48	96	(42-115)
4-Chloroaniline	50		16	32	(10-161)
Hexachlorobutadiene	50		45	90	(33-114)
Caprolactam	50		7.3	15	(10-161)
4-Chloro-3-methylphenol	50		42	84	(10-114)
2-Methylnaphthalene	50		48	96	(51-114)
Hexachlorocyclopentadiene	100		88	88	(10-155)
2,4,6-Trichlorophenol	50		50	100	(10-121)
2,4,5-Trichlorophenol	50		49	98	(10-123)
1,1-Biphenyl	50		54	108	(58-115)
2-Chloronaphthalene	50		50	100	(52-117)
2-Nitroaniline	50		54	108	(62-123)
Dimethylphthalate	50		50	100	(3-142)
Acenaphthylene	50		51	102	(52-118)
2,6-Dinitrotoluene	50		51	102	(65-120)
3-Nitroaniline	50		25	50	(10-120)
Acenaphthene	50		53	106	(51-118)
2,4-Dinitrophenol	100		87	87	(10-136)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____



3B

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546Matrix Spike - EPA Sample No : PB48156BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
4-Nitrophenol	100		34	34	(10-161)
Dibenzofuran	50		50	100	(61-115)
2,4-Dinitrotoluene	50		53	106	(68-122)
Diethylphthalate	50		51	102	(51-122)
4-Chlorophenyl-phenylether	50		50	100	(62-119)
Fluorene	50		51	102	(55-121)
4-Nitroaniline	50		46	92	(66-123)
4,6-Dinitro-2-methylphenol	50		50	100	(10-144)
n-Nitrosodiphenylamine	50		50	100	(64-119)
4-Bromophenyl-phenylether	50		50	100	(63-123)
Hexachlorobenzene	50		51	102	(45-136)
Atrazine	50		51	102	(61-132)
Pentachlorophenol	100		97	97	(10-124)
Phenanthrene	50		50	100	(55-126)
Anthracene	50		50	100	(59-122)
Carbazole	50		50	100	(70-124)
Di-n-butylphthalate	50		53	106	(72-121)
Fluoranthene	50		51	102	(61-127)
Pyrene	50		50	100	(62-128)
Butylbenzylphthalate	50		53	106	(66-129)
3,3-Dichlorobenzidine	50		31	62	(10-160)
Benzo(a)anthracene	50		50	100	(52-136)
Chrysene	50		51	102	(55-136)
Bis(2-ethylhexyl)phthalate	50		56	112	(69-130)
Di-n-octyl phthalate	50		52	104	(66-131)
Benzo(b)fluoranthene	50		52	104	(48-149)
Benzo(k)fluoranthene	50		50	100	(54-138)
Benzo(a)pyrene	50		52	104	(55-139)
Indeno(1,2,3-cd)pyrene	50		52	104	(10-145)
Dibenzo(a,h)anthracene	50		52	104	(45-150)
Benzo(g,h,i)perylene	50		52	104	(54-138)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : PB48156BSD

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
Benzaldehyde	50	19	38	11	50	(10-161)
Phenol	50	12	24	8	50	(10-132)
bis(2-Chloroethyl)ether	50	49	98	4	50	(38-127)
2-Chlorophenol	50	38	76	3	50	(10-148)
2-Methylphenol	50	31	62	0	50	(10-152)
2,2-oxybis(1-Chloropropane)	50	50	100	4	50	(46-118)
Acetophenone	50	54	108	4	50	(57-116)
3+4-Methylphenols	50	28	56	0	50	(10-152)
n-Nitroso-di-n-propylamine	50	52	104	4	50	(49-120)
Hexachloroethane	50	47	94	11	50	(26-152)
Nitrobenzene	50	52	104	6	50	(37-127)
Isophorone	50	53	106	6	50	(50-122)
2-Nitrophenol	50	51	102	6	50	(49-122)
2,4-Dimethylphenol	50	43	86	5	50	(10-119)
bis(2-Chloroethoxy)methane	50	51	102	6	50	(48-123)
2,4-Dichlorophenol	50	47	94	4	50	(10-124)
Naphthalene	50	51	102	6	50	(42-115)
4-Chloroaniline	50	20	40	22	50	(10-161)
Hexachlorobutadiene	50	50	100	11	50	(33-114)
Caprolactam	50	6.6	13	14	50	(10-161)
4-Chloro-3-methylphenol	50	44	88	5	50	(10-114)
2-Methylnaphthalene	50	51	102	6	50	(51-114)
Hexachlorocyclopentadiene	100	94	94	7	50	(10-155)
2,4,6-Trichlorophenol	50	52	104	4	50	(10-121)
2,4,5-Trichlorophenol	50	51	102	4	50	(10-123)
1,1-Biphenyl	50	55	110	2	50	(58-115)
2-Chloronaphthalene	50	51	102	2	50	(52-117)
2-Nitroaniline	50	56	112	4	50	(62-123)
Dimethylphthalate	50	53	106	6	50	(3-142)
Acenaphthylene	50	52	104	2	50	(52-118)
2,6-Dinitrotoluene	50	54	108	6	50	(65-120)
3-Nitroaniline	50	25	50	0	50	(10-120)
Acenaphthene	50	54	108	2	50	(51-118)
2,4-Dinitrophenol	100	89	89	2	50	(10-136)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : PB48156BSD

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
4-Nitrophenol	100	34	34	0	50	(10-161)
Dibenzofuran	50	51	102	2	50	(61-115)
2,4-Dinitrotoluene	50	55	110	4	50	(68-122)
Diethylphthalate	50	52	104	2	50	(51-122)
4-Chlorophenyl-phenylether	50	53	106	6	50	(62-119)
Fluorene	50	53	106	4	50	(55-121)
4-Nitroaniline	50	48	96	4	50	(66-123)
4,6-Dinitro-2-methylphenol	50	51	102	2	50	(10-144)
n-Nitrosodiphenylamine	50	53	106	6	50	(64-119)
4-Bromophenyl-phenylether	50	53	106	6	50	(63-123)
Hexachlorobenzene	50	52	104	2	50	(45-136)
Atrazine	50	55	110	8	50	(61-132)
Pentachlorophenol	100	100	100	3	50	(10-124)
Phenanthrene	50	52	104	4	50	(55-126)
Anthracene	50	53	106	6	50	(59-122)
Carbazole	50	52	104	4	50	(70-124)
Di-n-butylphthalate	50	55	110	4	50	(72-121)
Fluoranthene	50	53	106	4	50	(61-127)
Pyrene	50	53	106	6	50	(62-128)
Butylbenzylphthalate	50	56	112	6	50	(66-129)
3,3-Dichlorobenzidine	50	27	54	14	50	(10-160)
Benzo(a)anthracene	50	53	106	6	50	(52-136)
Chrysene	50	53	106	4	50	(55-136)
Bis(2-ethylhexyl)phthalate	50	61	122	9	50	(69-130)
Di-n-octyl phthalate	50	53	106	2	50	(66-131)
Benzo(b)fluoranthene	50	54	108	4	50	(48-149)
Benzo(k)fluoranthene	50	52	104	4	50	(54-138)
Benzo(a)pyrene	50	53	106	2	50	(55-139)
Indeno(1,2,3-cd)pyrene	50	54	108	4	50	(10-145)
Dibenzo(a,h)anthracene	50	53	106	2	50	(45-150)
Benzo(g,h,i)perylene	50	53	106	2	50	(54-138)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

SOIL SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : PB48174BS

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Benzaldehyde	1700		530	31	(10-161)
Phenol	1700		1600	94	(51-111)
bis(2-Chloroethyl)ether	1700		1500	88	(48-114)
2-Chlorophenol	1700		1600	94	(53-110)
2-Methylphenol	1700		1600	94	(52-111)
2,2-oxybis(1-Chloropropane)	1700		1600	94	(45-117)
Acetophenone	1700		1700	100	(51-114)
3+4-Methylphenols	1700		1600	94	(54-109)
n-Nitroso-di-n-propylamine	1700		1600	94	(51-114)
Hexachloroethane	1700		1500	88	(44-113)
Nitrobenzene	1700		1600	94	(49-114)
Isophorone	1700		1600	94	(52-113)
2-Nitrophenol	1700		1600	94	(51-116)
2,4-Dimethylphenol	1700		1600	94	(46-148)
bis(2-Chloroethoxy)methane	1700		1500	88	(52-115)
2,4-Dichlorophenol	1700		1600	94	(53-112)
Naphthalene	1700		1600	94	(51-114)
4-Chloroaniline	1700		640	38	(25-115)
Hexachlorobutadiene	1700		1500	88	(47-116)
Caprolactam	1700		1600	94	(34-117)
4-Chloro-3-methylphenol	1700		1600	94	(56-111)
2-Methylnaphthalene	1700		1600	94	(54-111)
Hexachlorocyclopentadiene	3300		3100	94	(43-112)
2,4,6-Trichlorophenol	1700		1600	94	(53-112)
2,4,5-Trichlorophenol	1700		1600	94	(53-113)
1,1-Biphenyl	1700		1700	100	(55-109)
2-Chloronaphthalene	1700		1600	94	(55-112)
2-Nitroaniline	1700		1700	100	(53-118)
Dimethylphthalate	1700		1700	100	(57-112)
Acenaphthylene	1700		1600	94	(54-113)
2,6-Dinitrotoluene	1700		1600	94	(55-114)
3-Nitroaniline	1700		900	53	(10-157)
Acenaphthene	1700		1700	100	(54-113)
2,4-Dinitrophenol	3300		2700	82	(15-153)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

SOIL SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1546 SAS No : B1546 SDG No: B1546

Matrix Spike - EPA Sample No : PB48174BS

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
4-Nitrophenol	3300		3200	97	(44-115)
Dibenzofuran	1700		1600	94	(59-108)
2,4-Dinitrotoluene	1700		1600	94	(55-115)
Diethylphthalate	1700		1600	94	(56-111)
4-Chlorophenyl-phenylether	1700		1600	94	(56-111)
Fluorene	1700		1600	94	(56-113)
4-Nitroaniline	1700		1600	94	(46-113)
4,6-Dinitro-2-methylphenol	1700		1500	88	(39-126)
n-Nitrosodiphenylamine	1700		1600	94	(54-115)
4-Bromophenyl-phenylether	1700		1500	88	(51-120)
Hexachlorobenzene	1700		1500	88	(52-117)
Atrazine	1700		1500	88	(40-127)
Pentachlorophenol	3300		3100	94	(47-116)
Phenanthrene	1700		1500	88	(56-113)
Anthracene	1700		1500	88	(56-113)
Carbazole	1700		1500	88	(54-117)
Di-n-butylphthalate	1700		1600	94	(58-115)
Fluoranthene	1700		1600	94	(54-117)
Pyrene	1700		1600	94	(58-117)
Butylbenzylphthalate	1700		1700	100	(57-122)
3,3-Dichlorobenzidine	1700		530	31	(10-157)
Benzo(a)anthracene	1700		1600	94	(57-112)
Chrysene	1700		1600	94	(59-114)
Bis(2-ethylhexyl)phthalate	1700		1600	94	(60-119)
Di-n-octyl phthalate	1700		1600	94	(56-122)
Benzo(b)fluoranthene	1700		1600	94	(53-120)
Benzo(k)fluoranthene	1700		1500	88	(56-117)
Benzo(a)pyrene	1700		1600	94	(56-117)
Indeno(1,2,3-cd)pyrene	1700		1700	100	(49-120)
Dibenzo(a,h)anthracene	1700		1600	94	(52-119)
Benzo(g,h,i)perylene	1700		1600	94	(53-119)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB48156B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: BE062514.DLab Sample ID: PB48156BInstrument ID: BNAEDate Extracted: 03/09/2010Matrix: (soil/water) WATERDate Analyzed: 03/10/2010Level: (low/med) LOWTime Analyzed: 13:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB48156BS	PB48156BS	BE062512.D	03/10/2010
PB48156BSD	PB48156BSD	BE062513.D	03/10/2010
FIELDBLANK	B1546-16	BE062517.D	03/10/2010

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB48174B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1546SAS No.: B1546 SDG NO.: B1546Lab File ID: BE062515.DLab Sample ID: PB48174BInstrument ID: BNAEDate Extracted: 03/10/2010Matrix: (soil/water) SOILDate Analyzed: 03/10/2010Level: (low/med) LOWTime Analyzed: 14:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB48174BS	PB48174BS	BE062511.D	03/10/2010
SS-2 (0-2)	B1546-02	BE062520.D	03/10/2010
SS-3 (0-2)	B1546-03	BE062521.D	03/10/2010
SS-3 (0-2) MS	B1546-04MS	BE062522.D	03/10/2010
SS-3 (0-2) MSD	B1546-05MSD	BE062523.D	03/10/2010
SS-4 (0-2)	B1546-06	BE062524.D	03/10/2010
SS-5 (0-2)	B1546-07	BE062525.D	03/10/2010
SS-6 (0-2)	B1546-08	BE062526.D	03/10/2010
SS-8 (0-2)	B1546-10	BE062527.D	03/10/2010
SS-9 (0-2)	B1546-11	BE062528.D	03/10/2010
SS-10 (0-2)	B1546-12	BE062529.D	03/10/2010
SS-12 (0-2)	B1546-14	BE062530.D	03/10/2010
DUP-01	B1546-15	BE062531.D	03/10/2010
SS-1 (0-2)	B1546-01	BE062532.D	03/10/2010
SS-7 (0-2)	B1546-09	BE062533.D	03/10/2010
SS-3 (0-2) DL	B1546-03DL	BE062540.D	03/11/2010
SS-11 (0-2)	B1546-13	BE062598.D	03/12/2010

COMMENTS: _____



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546EPA Sample No.: SSTD040Date Analyzed: 03/10/2010Lab File ID: BE062510.DTime Analyzed: 11:45Instrument ID: BNAEGC Column: RTX-5 SILM ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	136285	5	575053	6.15	288583	7.87
	UPPER LIMIT	272570	5.5	1150106	6.65	577166	8.37
	LOWER LIMIT	68142.5	4.5	287526.5	5.65	144291.5	7.37
	EPA SAMPLE NO.						
01	SS-3 (0-2)MS	142729	5.00	564460	6.15	279105	7.87
02	SS-3 (0-2)MSD	142624	4.99	582120	6.15	283929	7.87
03	SS-4 (0-2)	140636	5.00	567644	6.15	284580	7.87
04	SS-5 (0-2)	139880	5.00	578886	6.14	278437	7.87
05	SS-6 (0-2)	141020	5.00	567287	6.15	280881	7.87
06	SS-8 (0-2)	143055	5.00	582740	6.15	285112	7.87
07	SS-9 (0-2)	144568	5.00	584037	6.15	286252	7.87
08	SS-10 (0-2)	142870	5.00	583175	6.14	289588	7.87
09	SS-12 (0-2)	137480	5.00	563795	6.15	277546	7.87
10	DUP-01	129303	5.00	546507	6.14	273454	7.87
11	SS-1 (0-2)	135349	5.00	561467	6.15	283907	7.87
12	SS-7 (0-2)	140094	5.00	565505	6.15	286836	7.87
13	PB48174BS	143747	5.00	573086	6.15	281858	7.87
14	PB48156BS	144758	5.00	579775	6.15	286391	7.87
15	PB48156BSD	149297	4.99	593562	6.15	298778	7.87
16	PB48156B	143688	5.00	557386	6.15	281842	7.87
17	PB48174B	142990	5.00	565370	6.15	286725	7.87
18	FIELD BLANK	156729	4.99	674293	6.15	351783	7.87
19	SS-2 (0-2)	125319	5.00	531494	6.15	268760	7.87
20	SS-3 (0-2)	139181	5.00	567237	6.15	283447	7.87



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/10/2010

Lab File ID: BE062510.D Time Analyzed: 11:45

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	136285	5	575053	6.15	288583	7.87
UPPER LIMIT	272570	5.5	1150106	6.65	577166	8.37
LOWER LIMIT	68142.5	4.5	287526.5	5.65	144291.5	7.37
EPA SAMPLE NO.						

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/10/2010

Lab File ID: BE062510.D Time Analyzed: 11:45

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	465249	9.55	351863	12.74	284584	14.77
	UPPER LIMIT	930498	10.05	703726	13.24	569168	15.27
	LOWER LIMIT	232624.5	9.05	175931.5	12.24	142292	14.27
	EPA SAMPLE NO.						
01	SS-3(0-2)MS	440581	9.55	305643	12.74	261267	14.77
02	SS-3(0-2)MSD	445134	9.55	313584	12.74	263012	14.77
03	SS-4(0-2)	441117	9.55	309504	12.74	272332	14.77
04	SS-5(0-2)	442363	9.55	316888	12.74	286849	14.77
05	SS-6(0-2)	441296	9.55	314271	12.74	274511	14.77
06	SS-8(0-2)	446127	9.55	316812	12.74	280043	14.77
07	SS-9(0-2)	448370	9.55	316106	12.74	276771	14.77
08	SS-10(0-2)	454236	9.55	296395	12.74	258688	14.77
09	SS-12(0-2)	426371	9.55	284052	12.74	238925	14.77
10	DUP-01	430955	9.55	295858	12.74	254963	14.77
11	SS-1(0-2)	464874	9.55	319555	12.74	282228	14.77
12	SS-7(0-2)	467769	9.55	318936	12.75	278082	14.77
13	PB48174BS	451326	9.55	325821	12.74	272858	14.78
14	PB48156BS	455085	9.55	344801	12.75	280461	14.77
15	PB48156BSD	475174	9.55	359021	12.74	293893	14.77
16	PB48156B	463049	9.54	325483	12.74	274794	14.77
17	PB48174B	461231	9.54	314218	12.74	272876	14.77
18	FIELD BLANK	583843	9.55	397959	12.74	333044	14.77
19	SS-2(0-2)	437038	9.55	287432	12.74	245901	14.77
20	SS-3(0-2)	436942	9.55	296509	12.74	260644	14.77



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/10/2010

Lab File ID: BE062510.D Time Analyzed: 11:45

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	465249	9.55	351863	12.74	284584	14.77
UPPER LIMIT	930498	10.05	703726	13.24	569168	15.27
LOWER LIMIT	232624.5	9.05	175931.5	12.24	142292	14.27
EPA SAMPLE NO.						

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.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/11/2010

Lab File ID: BE062539.D Time Analyzed: 11:29

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	148687	5	606071	6.15	298182	7.87
UPPER LIMIT	297374	5.5	1212142	6.65	596364	8.37
LOWER LIMIT	74343.5	4.5	303035.5	5.65	149091	7.37
EPA SAMPLE NO.						
01 SS-3(0-2)DL	142424	5.00	574060	6.15	284107	7.87

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/11/2010

Lab File ID: BE062539.D Time Analyzed: 11:29

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	499795	9.55	378480	12.75	311604	14.78
UPPER LIMIT	999590	10.05	756960	13.25	623208	15.28
LOWER LIMIT	249897.5	9.05	189240	12.25	155802	14.28
EPA SAMPLE NO.						
01 SS-3(0-2)DL	463116	9.55	350355	12.74	312375	14.77

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/12/2010

Lab File ID: BE062574.D Time Analyzed: 05:35

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	234364	4.98	866511	6.14	402707	7.86
UPPER LIMIT	468728	5.48	1733022	6.64	805414	8.36000
LOWER LIMIT	117182	4.48	433255.5	5.64	201353.5	7.36
EPA SAMPLE NO.						
01 SS-11 (0-2)	177154	4.98	676169	6.14	303446	7.86

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG NO.: B1546

EPA Sample No.: SSTD040 Date Analyzed: 03/12/2010

Lab File ID: BE062574.D Time Analyzed: 05:35

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	610731	9.53	416566	12.73	321083	14.74
UPPER LIMIT	1221462	10.03	833132	13.23	642166	15.24
LOWER LIMIT	305365.5	9.03	208283	12.23	160541.5	14.24
EPA SAMPLE NO.						
01 SS-11 (0-2)	441577	9.53	257617	12.72	222187	14.74

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.

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-1(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-01
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 86.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5480			P
7440-36-0	Antimony	0.22	U		P
7440-38-2	Arsenic	2.150			P
7440-39-3	Barium	122			P
7440-41-7	Beryllium	0.23			P
7440-43-9	Cadmium	0.35			P
7440-70-2	Calcium	9030			P
7440-47-3	Chromium	13.5			P
7440-48-4	Cobalt	3.890			P
7440-50-8	Copper	22.5			P
7439-89-6	Iron	10400			P
7439-92-1	Lead	102			P
7439-95-4	Magnesium	4400			P
7439-96-5	Manganese	162			P
7439-97-6	Mercury	0.127			CV
7440-02-0	Nickel	9.810			P
7440-09-7	Potassium	609			P
7782-49-2	Selenium	1.440			P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	101			P
7440-28-0	Thallium	0.28			P
7440-62-2	Vanadium	19.5			P
7440-66-6	Zinc	93.0			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-02
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 92.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4260			P
7440-36-0	Antimony	0.42			P
7440-38-2	Arsenic	1.800			P
7440-39-3	Barium	674			P
7440-41-7	Beryllium	0.16			P
7440-43-9	Cadmium	0.12			P
7440-70-2	Calcium	453			P
7440-47-3	Chromium	9.540			P
7440-48-4	Cobalt	1.790			P
7440-50-8	Copper	55.3			P
7439-89-6	Iron	5530			P
7439-92-1	Lead	58.2			P
7439-95-4	Magnesium	446			P
7439-96-5	Manganese	78.3			P
7439-97-6	Mercury	0.024			CV
7440-02-0	Nickel	3.020			P
7440-09-7	Potassium	169			P
7782-49-2	Selenium	0.76			P
7440-22-4	Silver	0.03	U		P
7440-23-5	Sodium	48.9			P
7440-28-0	Thallium	0.12	U		P
7440-62-2	Vanadium	7.600			P
7440-66-6	Zinc	287			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-03
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6610			P
7440-36-0	Antimony	0.28	U		P
7440-38-2	Arsenic	2.150			P
7440-39-3	Barium	1620			P
7440-41-7	Beryllium	0.22			P
7440-43-9	Cadmium	0.31			P
7440-70-2	Calcium	602			P
7440-47-3	Chromium	18.9			P
7440-48-4	Cobalt	1.900			P
7440-50-8	Copper	69.6			P
7439-89-6	Iron	7570			P
7439-92-1	Lead	156			P
7439-95-4	Magnesium	487			P
7439-96-5	Manganese	79.3			P
7439-97-6	Mercury	0.034			CV
7440-02-0	Nickel	4.620			P
7440-09-7	Potassium	189			P
7782-49-2	Selenium	1.430			P
7440-22-4	Silver	0.06	U		P
7440-23-5	Sodium	88.4			P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	13.0			P
7440-66-6	Zinc	556			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-06
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 86.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6240			P
7440-36-0	Antimony	0.29	U		P
7440-38-2	Arsenic	2.670			P
7440-39-3	Barium	90.3			P
7440-41-7	Beryllium	0.31			P
7440-43-9	Cadmium	0.35			P
7440-70-2	Calcium	6350			P
7440-47-3	Chromium	17.1			P
7440-48-4	Cobalt	5.420			P
7440-50-8	Copper	20.3			P
7439-89-6	Iron	12500			P
7439-92-1	Lead	134			P
7439-95-4	Magnesium	2650			P
7439-96-5	Manganese	214			P
7439-97-6	Mercury	0.167			CV
7440-02-0	Nickel	12.8			P
7440-09-7	Potassium	679			P
7782-49-2	Selenium	1.750			P
7440-22-4	Silver	0.06	U		P
7440-23-5	Sodium	118			P
7440-28-0	Thallium	0.43			P
7440-62-2	Vanadium	21.2			P
7440-66-6	Zinc	88.0			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-07
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 91.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5940			P
7440-36-0	Antimony	0.81			P
7440-38-2	Arsenic	2.460			P
7440-39-3	Barium	2320			P
7440-41-7	Beryllium	0.20			P
7440-43-9	Cadmium	0.17			P
7440-70-2	Calcium	580			P
7440-47-3	Chromium	37.0			P
7440-48-4	Cobalt	2.730			P
7440-50-8	Copper	183			P
7439-89-6	Iron	7250			P
7439-92-1	Lead	245			P
7439-95-4	Magnesium	462			P
7439-96-5	Manganese	103			P
7439-97-6	Mercury	0.016			CV
7440-02-0	Nickel	3.480			P
7440-09-7	Potassium	192			P
7782-49-2	Selenium	1.410			P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	64.6			P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	11.1			P
7440-66-6	Zinc	621			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-6(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-08
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 89.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	850			P
7440-36-0	Antimony	0.24	U		P
7440-38-2	Arsenic	0.63			P
7440-39-3	Barium	78.9			P
7440-41-7	Beryllium	0.03	U		P
7440-43-9	Cadmium	0.11			P
7440-70-2	Calcium	633			P
7440-47-3	Chromium	5.200			P
7440-48-4	Cobalt	0.72			P
7440-50-8	Copper	8.960			P
7439-89-6	Iron	2150			P
7439-92-1	Lead	54.0			P
7439-95-4	Magnesium	347			P
7439-96-5	Manganese	36.0			P
7439-97-6	Mercury	0.033			CV
7440-02-0	Nickel	1.590			P
7440-09-7	Potassium	117			P
7782-49-2	Selenium	0.43			P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	56.8			P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	4.340			P
7440-66-6	Zinc	56.5			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-09
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 75.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8590			P
7440-36-0	Antimony	0.56			P
7440-38-2	Arsenic	2.270			P
7440-39-3	Barium	1180			P
7440-41-7	Beryllium	0.22			P
7440-43-9	Cadmium	0.52			P
7440-70-2	Calcium	3400			P
7440-47-3	Chromium	18.1			P
7440-48-4	Cobalt	1.890			P
7440-50-8	Copper	52.5			P
7439-89-6	Iron	11500			P
7439-92-1	Lead	140			P
7439-95-4	Magnesium	966			P
7439-96-5	Manganese	88.1			P
7439-97-6	Mercury	0.036			CV
7440-02-0	Nickel	5.380			P
7440-09-7	Potassium	390			P
7782-49-2	Selenium	1.860			P
7440-22-4	Silver	0.05	U		P
7440-23-5	Sodium	84.2			P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	17.2			P
7440-66-6	Zinc	687			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-10
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 93.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4090			P
7440-36-0	Antimony	0.97			P
7440-38-2	Arsenic	1.900			P
7440-39-3	Barium	1260			P
7440-41-7	Beryllium	0.14			P
7440-43-9	Cadmium	0.25			P
7440-70-2	Calcium	1690			P
7440-47-3	Chromium	52.4			P
7440-48-4	Cobalt	4.720			P
7440-50-8	Copper	95.3			P
7439-89-6	Iron	11900			P
7439-92-1	Lead	269			P
7439-95-4	Magnesium	1640			P
7439-96-5	Manganese	104			P
7439-97-6	Mercury	0.021			CV
7440-02-0	Nickel	3.820			P
7440-09-7	Potassium	258			P
7782-49-2	Selenium	1.760			P
7440-22-4	Silver	0.03	U		P
7440-23-5	Sodium	145			P
7440-28-0	Thallium	0.42			P
7440-62-2	Vanadium	30.5			P
7440-66-6	Zinc	341			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-11
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 92.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	323			P
7440-36-0	Antimony	0.18	U		P
7440-38-2	Arsenic	0.39			P
7440-39-3	Barium	20.4			P
7440-41-7	Beryllium	0.02	U		P
7440-43-9	Cadmium	0.08			P
7440-70-2	Calcium	372			P
7440-47-3	Chromium	3.180			P
7440-48-4	Cobalt	0.11	U		P
7440-50-8	Copper	3.540			P
7439-89-6	Iron	1160			P
7439-92-1	Lead	30.3			P
7439-95-4	Magnesium	157			P
7439-96-5	Manganese	16.7			P
7439-97-6	Mercury	0.018			CV
7440-02-0	Nickel	0.61			P
7440-09-7	Potassium	73.8			P
7782-49-2	Selenium	0.36			P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	34.4			P
7440-28-0	Thallium	0.14	U		P
7440-62-2	Vanadium	3.370			P
7440-66-6	Zinc	28.0			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-12
 Level (low/med): LOW Date Received: 3/9/2010
 % Solids: 73.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23100			P
7440-36-0	Antimony	3.520			P
7440-38-2	Arsenic	5.580			P
7440-39-3	Barium	0.00	OR		P
7440-41-7	Beryllium	0.54			P
7440-43-9	Cadmium	2.740			P
7440-70-2	Calcium	1430			P
7440-47-3	Chromium	66.4			P
7440-48-4	Cobalt	5.310			P
7440-50-8	Copper	1490			P
7439-89-6	Iron	44500			P
7439-92-1	Lead	991			P
7439-95-4	Magnesium	425			P
7439-96-5	Manganese	231			P
7439-97-6	Mercury	0.066			CV
7440-02-0	Nickel	32.5			P
7440-09-7	Potassium	594			P
7782-49-2	Selenium	4.850			P
7440-22-4	Silver	0.62			P
7440-23-5	Sodium	431			P
7440-28-0	Thallium	0.62			P
7440-62-2	Vanadium	68.6			P
7440-66-6	Zinc	3050			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
 Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(0-2)DL

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-12DL
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 73.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26200		D	P
7440-36-0	Antimony	38.1	U	D	P
7440-38-2	Arsenic	15.2	U	D	P
7440-39-3	Barium	12100		D	P
7440-41-7	Beryllium	4.570	U	D	P
7440-43-9	Cadmium	4.570	U	D	P
7440-70-2	Calcium	1660		D	P
7440-47-3	Chromium	80.2		D	P
7440-48-4	Cobalt	22.8	U	D	P
7440-50-8	Copper	1920		D	P
7439-89-6	Iron	54200		D	P
7439-92-1	Lead	1080		D	P
7439-95-4	Magnesium	523	J	D	P
7439-96-5	Manganese	271		D	P
7440-02-0	Nickel	33.9		D	P
7440-09-7	Potassium	684	J	D	P
7782-49-2	Selenium	8.900	J	D	P
7440-22-4	Silver	7.610	U	D	P
7440-23-5	Sodium	960	J	D	P
7440-28-0	Thallium	30.4	U	D	P
7440-62-2	Vanadium	82.5		D	P
7440-66-6	Zinc	4290		D	P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-13
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 66.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11300			P
7440-36-0	Antimony	5.210			P
7440-38-2	Arsenic	10.4			P
7440-39-3	Barium	10230.81	OR		P
7440-41-7	Beryllium	0.52			P
7440-43-9	Cadmium	1.510			P
7440-70-2	Calcium	1270			P
7440-47-3	Chromium	344			P
7440-48-4	Cobalt	4.470			P
7440-50-8	Copper	787			P
7439-89-6	Iron	14100			P
7439-92-1	Lead	2210			P
7439-95-4	Magnesium	977			P
7439-96-5	Manganese	186			P
7439-97-6	Mercury	0.353			CV
7440-02-0	Nickel	21.8			P
7440-09-7	Potassium	355			P
7782-49-2	Selenium	3.600			P
7440-22-4	Silver	0.53			P
7440-23-5	Sodium	133			P
7440-28-0	Thallium	1.160			P
7440-62-2	Vanadium	102			P
7440-66-6	Zinc	1830			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(0-2)DL

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-13DL
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 66.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12700		D	P
7440-36-0	Antimony	68.0	U	D	P
7440-38-2	Arsenic	27.2	U	D	P
7440-39-3	Barium	12400		D	P
7440-41-7	Beryllium	8.170	U	D	P
7440-43-9	Cadmium	8.170	U	D	P
7440-70-2	Calcium	1580	J	D	P
7440-47-3	Chromium	423		D	P
7440-48-4	Cobalt	40.8	U	D	P
7440-50-8	Copper	999		D	P
7439-89-6	Iron	17000		D	P
7439-92-1	Lead	2480		D	P
7439-95-4	Magnesium	1210	J	D	P
7439-96-5	Manganese	226		D	P
7440-02-0	Nickel	24.5	J	D	P
7440-09-7	Potassium	461	J	D	P
7782-49-2	Selenium	27.2	U	D	P
7440-22-4	Silver	13.6	U	D	P
7440-23-5	Sodium	669	J	D	P
7440-28-0	Thallium	54.4	U	D	P
7440-62-2	Vanadium	126		D	P
7440-66-6	Zinc	2420		D	P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-14
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 56.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	1.970			P
7440-38-2	Arsenic	3.930			P
7440-39-3	Barium	3870			P
7440-41-7	Beryllium	0.26			P
7440-43-9	Cadmium	0.43			P
7440-70-2	Calcium	868			P
7440-47-3	Chromium	51.2			P
7440-48-4	Cobalt	2.270			P
7440-50-8	Copper	201			P
7439-89-6	Iron	12400			P
7439-92-1	Lead	434			P
7439-95-4	Magnesium	635			P
7439-96-5	Manganese	119			P
7439-97-6	Mercury	0.100			CV
7440-02-0	Nickel	7.380			P
7440-09-7	Potassium	371			P
7782-49-2	Selenium	3.070			P
7440-22-4	Silver	0.34			P
7440-23-5	Sodium	117			P
7440-28-0	Thallium	0.41			P
7440-62-2	Vanadium	35.6			P
7440-66-6	Zinc	407			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-15
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	297			P
7440-36-0	Antimony	0.19	U		P
7440-38-2	Arsenic	0.67			P
7440-39-3	Barium	20.4			P
7440-41-7	Beryllium	0.02	U		P
7440-43-9	Cadmium	0.09			P
7440-70-2	Calcium	364			P
7440-47-3	Chromium	2.880			P
7440-48-4	Cobalt	0.11	U		P
7440-50-8	Copper	3.700			P
7439-89-6	Iron	1280			P
7439-92-1	Lead	35.7			P
7439-95-4	Magnesium	141			P
7439-96-5	Manganese	17.2			P
7439-97-6	Mercury	0.023			CV
7440-02-0	Nickel	0.60			P
7440-09-7	Potassium	68.0			P
7782-49-2	Selenium	0.59			P
7440-22-4	Silver	0.04	U		P
7440-23-5	Sodium	38.6			P
7440-28-0	Thallium	0.15	U		P
7440-62-2	Vanadium	2.370			P
7440-66-6	Zinc	28.1			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
 Matrix (soil/water): WATER Lab Sample ID: B1546-16
 Level (low/med): LOW Date Received: 3/9/2010
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	50.0	U		P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	50.0	U		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	3.000	U		P
7440-70-2	Calcium	1000	U		P
7440-47-3	Chromium	5.000	U		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	50.0	U		P
7439-92-1	Lead	6.000	U		P
7439-95-4	Magnesium	1000	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	1000	U		P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	DUP-01							
B1546-15	DUP-01	SOIL	Aluminum	297		0.38	0.63	mg/Kg
B1546-15	DUP-01	SOIL	Arsenic	0.67		0.08	0.25	mg/Kg
B1546-15	DUP-01	SOIL	Barium	20.4		0.38	0.30	mg/Kg
B1546-15	DUP-01	SOIL	Cadmium	0.09		0.02	0.05	mg/Kg
B1546-15	DUP-01	SOIL	Calcium	364		7.510	0.80	mg/Kg
B1546-15	DUP-01	SOIL	Chromium	2.880		0.04	0.10	mg/Kg
B1546-15	DUP-01	SOIL	Copper	3.700		0.08	0.24	mg/Kg
B1546-15	DUP-01	SOIL	Iron	1280		0.38	1.000	mg/Kg
B1546-15	DUP-01	SOIL	Lead	35.7		0.05	0.29	mg/Kg
B1546-15	DUP-01	SOIL	Magnesium	141		7.510	3.440	mg/Kg
B1546-15	DUP-01	SOIL	Manganese	17.2		0.08	0.14	mg/Kg
B1546-15	DUP-01	SOIL	Mercury	0.023		0.011	0.002	mg/Kg
B1546-15	DUP-01	SOIL	Nickel	0.60		0.15	0.35	mg/Kg
B1546-15	DUP-01	SOIL	Potassium	68.0		7.510	2.630	mg/Kg
B1546-15	DUP-01	SOIL	Selenium	0.59		0.08	0.31	mg/Kg
B1546-15	DUP-01	SOIL	Sodium	38.6		7.510	1.890	mg/Kg
B1546-15	DUP-01	SOIL	Vanadium	2.370		0.15	0.44	mg/Kg
B1546-15	DUP-01	SOIL	Zinc	28.1		0.15	0.53	mg/Kg
Client ID:	SS-1(0-2)							
B1546-01	SS-1(0-2)	SOIL	Aluminum	5480		0.44	0.74	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Arsenic	2.150		0.09	0.29	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Barium	122		0.44	0.35	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Beryllium	0.23		0.03	0.05	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Cadmium	0.35		0.03	0.05	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Calcium	9030		8.850	0.95	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Chromium	13.5		0.04	0.12	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Cobalt	3.890		0.13	0.50	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Copper	22.5		0.09	0.28	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Iron	10400		0.44	1.180	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Lead	102		0.05	0.35	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Magnesium	4400		8.850	4.050	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Manganese	162		0.09	0.17	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Mercury	0.127		0.012	0.002	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Nickel	9.810		0.18	0.41	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Potassium	609		8.850	3.100	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Selenium	1.440		0.09	0.36	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Sodium	101		8.850	2.230	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Thallium	0.28		0.18	0.24	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Vanadium	19.5		0.18	0.52	mg/Kg
B1546-01	SS-1(0-2)	SOIL	Zinc	93.0		0.18	0.62	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-10(0-2)							
B1546-12	SS-10(0-2)	SOIL	Aluminum	23100	OR	0.38	0.64	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Antimony	3.520		0.19	0.43	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Arsenic	5.580		0.08	0.25	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Barium	0.00		0.38	0.30	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Beryllium	0.54		0.02	0.05	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Cadmium	2.740		0.02	0.05	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Calcium	1430		7.610	0.81	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Chromium	66.4		0.04	0.10	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Cobalt	5.310		0.11	0.43	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Copper	1490		0.08	0.24	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Iron	44500		0.38	1.010	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Lead	991		0.05	0.30	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Magnesium	425		7.610	3.490	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Manganese	231		0.08	0.14	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Mercury	0.066		0.014	0.002	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Nickel	32.5		0.15	0.35	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Potassium	594		7.610	2.660	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Selenium	4.850		0.08	0.31	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Silver	0.62		0.04	0.11	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Sodium	431		7.610	1.920	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Thallium	0.62		0.15	0.21	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Vanadium	68.6		0.15	0.45	mg/Kg
B1546-12	SS-10(0-2)	SOIL	Zinc	3050		0.15	0.53	mg/Kg
Client ID:	SS-10(0-2)DL							
B1546-12DL	SS-10(0-2)DL	SOIL	Aluminum	26200	J	76.1	12.8	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Barium	12100		76.1	6.090	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Calcium	1660		1520	16.3	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Chromium	80.2		7.610	1.980	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Copper	1920		15.2	4.870	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Iron	54200		76.1	20.2	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Lead	1080		9.130	5.940	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Magnesium	523		1520	69.7	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Manganese	271		15.2	2.890	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Nickel	33.9		30.4	7.000	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Potassium	684		1520	53.3	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Selenium	8.900		15.2	6.240	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Sodium	960		1520	38.4	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Vanadium	82.5		30.4	8.980	mg/Kg
B1546-12DL	SS-10(0-2)DL	SOIL	Zinc	4290		30.4	10.7	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-11(0-2)							
B1546-13	SS-11(0-2)	SOIL	Aluminum	11300	OR	0.68	1.140	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Antimony	5.210		0.34	0.76	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Arsenic	10.4		0.14	0.45	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Barium	10230.81		6.80457	.5443	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Beryllium	0.52		0.04	0.08	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Cadmium	1.510		0.04	0.08	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Calcium	1270		13.6	1.460	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Chromium	344		0.07	0.18	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Cobalt	4.470		0.20	0.78	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Copper	787		0.14	0.44	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Iron	14100		0.68	1.810	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Lead	2210		0.08	0.53	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Magnesium	977		13.6	6.230	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Manganese	186		0.14	0.26	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Mercury	0.353		0.015	0.003	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Nickel	21.8		0.27	0.63	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Potassium	355		13.6	4.760	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Selenium	3.600		0.14	0.56	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Silver	0.53		0.07	0.20	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Sodium	133		13.6	3.430	mg/Kg
B1546-13	SS-11(0-2)	SOIL	Thallium	1.160	0.27	0.37	mg/Kg	
B1546-13	SS-11(0-2)	SOIL	Vanadium	102	0.27	0.80	mg/Kg	
B1546-13	SS-11(0-2)	SOIL	Zinc	1830	0.27	0.95	mg/Kg	
Client ID:	SS-11(0-2)DL							
B1546-13DL	SS-11(0-2)DL	SOIL	Aluminum	12700	J	136	22.9	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Barium	12400		136	10.9	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Calcium	1580		2720	29.1	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Chromium	423		13.6	3.540	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Copper	999		27.2	8.710	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Iron	17000		136	36.2	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Lead	2480		16.3	10.6	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Magnesium	1210		2720	125	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Manganese	226		27.2	5.170	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Nickel	24.5		54.4	12.5	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Potassium	461		2720	95.3	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Sodium	669		2720	68.6	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Vanadium	126		54.4	16.1	mg/Kg
B1546-13DL	SS-11(0-2)DL	SOIL	Zinc	2420		54.4	19.1	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-12(0-2)							
B1546-14	SS-12(0-2)	SOIL	Aluminum	12600		0.68	1.150	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Antimony	1.970		0.34	0.77	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Arsenic	3.930		0.14	0.45	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Barium	3870		0.68	0.55	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Beryllium	0.26		0.04	0.08	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Cadmium	0.43		0.04	0.08	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Calcium	868		13.7	1.460	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Chromium	51.2		0.07	0.18	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Cobalt	2.270		0.21	0.78	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Copper	201		0.14	0.44	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Iron	12400		0.68	1.820	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Lead	434		0.08	0.53	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Magnesium	635		13.7	6.270	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Manganese	119		0.14	0.26	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Mercury	0.100		0.018	0.003	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Nickel	7.380		0.27	0.63	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Potassium	371		13.7	4.790	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Selenium	3.070		0.14	0.56	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Silver	0.34		0.07	0.21	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Sodium	117		13.7	3.450	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Thallium	0.41		0.27	0.37	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Vanadium	35.6		0.27	0.81	mg/Kg
B1546-14	SS-12(0-2)	SOIL	Zinc	407		0.27	0.96	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-2(0-2)							
B1546-02	SS-2(0-2)	SOIL	Aluminum	4260		0.30	0.50	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Antimony	0.42		0.15	0.33	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Arsenic	1.800		0.06	0.20	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Barium	674		0.30	0.24	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Beryllium	0.16		0.02	0.04	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Cadmium	0.12		0.02	0.04	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Calcium	453		5.910	0.63	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Chromium	9.540		0.03	0.08	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Cobalt	1.790		0.09	0.34	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Copper	55.3		0.06	0.19	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Iron	5530		0.30	0.79	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Lead	58.2		0.04	0.23	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Magnesium	446		5.910	2.710	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Manganese	78.3		0.06	0.11	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Mercury	0.024		0.011	0.002	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Nickel	3.020		0.12	0.27	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Potassium	169		5.910	2.070	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Selenium	0.76		0.06	0.24	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Sodium	48.9		5.910	1.490	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Vanadium	7.600		0.12	0.35	mg/Kg
B1546-02	SS-2(0-2)	SOIL	Zinc	287		0.12	0.41	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-3(0-2)							
B1546-03	SS-3(0-2)	SOIL	Aluminum	6610		0.56	0.95	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Arsenic	2.150		0.11	0.37	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Barium	1620		0.56	0.45	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Beryllium	0.22		0.03	0.07	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Cadmium	0.31		0.03	0.07	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Calcium	602		11.3	1.200	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Chromium	18.9		0.06	0.15	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Cobalt	1.900		0.17	0.64	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Copper	69.6		0.11	0.36	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Iron	7570		0.56	1.500	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Lead	156		0.07	0.44	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Magnesium	487		11.3	5.160	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Manganese	79.3		0.11	0.21	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Mercury	0.034		0.011	0.002	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Nickel	4.620		0.23	0.52	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Potassium	189		11.3	3.940	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Selenium	1.430		0.11	0.46	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Sodium	88.4		11.3	2.840	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Vanadium	13.0		0.23	0.66	mg/Kg
B1546-03	SS-3(0-2)	SOIL	Zinc	556		0.23	0.79	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-4(0-2)							
B1546-06	SS-4(0-2)	SOIL	Aluminum	6240		0.58	0.97	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Arsenic	2.670		0.12	0.38	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Barium	90.3		0.58	0.46	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Beryllium	0.31		0.03	0.07	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Cadmium	0.35		0.03	0.07	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Calcium	6350		11.6	1.240	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Chromium	17.1		0.06	0.15	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Cobalt	5.420		0.17	0.66	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Copper	20.3		0.12	0.37	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Iron	12500		0.58	1.540	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Lead	134		0.07	0.45	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Magnesium	2650		11.6	5.300	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Manganese	214		0.12	0.22	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Mercury	0.167		0.012	0.002	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Nickel	12.8		0.23	0.53	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Potassium	679		11.6	4.050	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Selenium	1.750		0.12	0.47	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Sodium	118		11.6	2.920	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Thallium	0.43		0.23	0.31	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Vanadium	21.2		0.23	0.68	mg/Kg
B1546-06	SS-4(0-2)	SOIL	Zinc	88.0		0.23	0.81	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-5(0-2)							
B1546-07	SS-5(0-2)	SOIL	Aluminum	5940		0.49	0.82	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Antimony	0.81		0.24	0.54	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Arsenic	2.460		0.10	0.32	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Barium	2320		0.49	0.39	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Beryllium	0.20		0.03	0.06	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Cadmium	0.17		0.03	0.06	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Calcium	580		9.720	1.040	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Chromium	37.0		0.05	0.13	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Cobalt	2.730		0.15	0.55	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Copper	183		0.10	0.31	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Iron	7250		0.49	1.290	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Lead	245		0.06	0.38	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Magnesium	462		9.720	4.450	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Manganese	103		0.10	0.18	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Mercury	0.016		0.011	0.002	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Nickel	3.480		0.19	0.45	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Potassium	192		9.720	3.400	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Selenium	1.410		0.10	0.40	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Sodium	64.6		9.720	2.450	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Vanadium	11.1		0.19	0.57	mg/Kg
B1546-07	SS-5(0-2)	SOIL	Zinc	621		0.19	0.68	mg/Kg
Client ID:	SS-6(0-2)							
B1546-08	SS-6(0-2)	SOIL	Aluminum	850		0.48	0.80	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Arsenic	0.63		0.10	0.31	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Barium	78.9		0.48	0.38	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Cadmium	0.11		0.03	0.06	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Calcium	633		9.520	1.020	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Chromium	5.200		0.05	0.12	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Cobalt	0.72		0.14	0.54	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Copper	8.960		0.10	0.30	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Iron	2150		0.48	1.270	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Lead	54.0		0.06	0.37	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Magnesium	347		9.520	4.360	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Manganese	36.0		0.10	0.18	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Mercury	0.033		0.011	0.002	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Nickel	1.590		0.19	0.44	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Potassium	117		9.520	3.330	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Selenium	0.43		0.10	0.39	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Sodium	56.8		9.520	2.400	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Vanadium	4.340		0.19	0.56	mg/Kg
B1546-08	SS-6(0-2)	SOIL	Zinc	56.5		0.19	0.67	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-7(0-2)							
B1546-09	SS-7(0-2)	SOIL	Aluminum	8590		0.47	0.78	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Antimony	0.56		0.23	0.52	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Arsenic	2.270		0.09	0.31	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Barium	1180		0.47	0.37	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Beryllium	0.22		0.03	0.06	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Cadmium	0.52		0.03	0.06	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Calcium	3400		9.320	1.000	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Chromium	18.1		0.05	0.12	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Cobalt	1.890		0.14	0.53	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Copper	52.5		0.09	0.30	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Iron	11500		0.47	1.240	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Lead	140		0.06	0.36	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Magnesium	966		9.320	4.270	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Manganese	88.1		0.09	0.18	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Mercury	0.036		0.013	0.003	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Nickel	5.380		0.19	0.43	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Potassium	390		9.320	3.260	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Selenium	1.860		0.09	0.38	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Sodium	84.2		9.320	2.350	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Vanadium	17.2		0.19	0.55	mg/Kg
B1546-09	SS-7(0-2)	SOIL	Zinc	687		0.19	0.65	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1546			Order ID:	B1546			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-8(0-2)							
B1546-10	SS-8(0-2)	SOIL	Aluminum	4090		0.34	0.57	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Antimony	0.97		0.17	0.38	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Arsenic	1.900		0.07	0.22	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Barium	1260		0.34	0.27	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Beryllium	0.14		0.02	0.04	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Cadmium	0.25		0.02	0.04	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Calcium	1690		6.800	0.73	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Chromium	52.4		0.03	0.09	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Cobalt	4.720		0.10	0.39	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Copper	95.3		0.07	0.22	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Iron	11900		0.34	0.90	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Lead	269		0.04	0.27	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Magnesium	1640		6.800	3.110	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Manganese	104		0.07	0.13	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Mercury	0.021		0.011	0.002	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Nickel	3.820		0.14	0.31	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Potassium	258		6.800	2.380	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Selenium	1.760		0.07	0.28	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Sodium	145		6.800	1.710	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Thallium	0.42		0.14	0.18	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Vanadium	30.5		0.14	0.40	mg/Kg
B1546-10	SS-8(0-2)	SOIL	Zinc	341		0.14	0.48	mg/Kg
Client ID:	SS-9(0-2)							
B1546-11	SS-9(0-2)	SOIL	Aluminum	323		0.36	0.60	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Arsenic	0.39		0.07	0.24	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Barium	20.4		0.36	0.29	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Cadmium	0.08		0.02	0.04	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Calcium	372		7.190	0.77	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Chromium	3.180		0.04	0.09	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Copper	3.540		0.07	0.23	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Iron	1160		0.36	0.96	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Lead	30.3		0.04	0.28	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Magnesium	157		7.190	3.290	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Manganese	16.7		0.07	0.14	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Mercury	0.018		0.011	0.002	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Nickel	0.61		0.14	0.33	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Potassium	73.8		7.190	2.520	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Selenium	0.36		0.07	0.29	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Sodium	34.4		7.190	1.810	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Vanadium	3.370		0.14	0.42	mg/Kg
B1546-11	SS-9(0-2)	SOIL	Zinc	28.0		0.14	0.50	mg/Kg

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	50.0	U	28.6	J	38.4	J	23.2	J	50.000	U	P
Antimony	25.0	U	25.0	U	25.0	U	25.0	U	25.000	U	P
Arsenic	10.0	U	4.3	J	10.0	U	10.0	U	10.000	U	P
Barium	50.0	U	50.0	U	50.0	U	7.3	J	50.000	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Cadmium	3.0	U	0.9	J	1.0	J	2.0	J	3.000	U	P
Calcium	1000.0	U	53.0	J	40.2	J	45.0	J	1000.000	U	P
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	1.100	U	P
Cobalt	15.0	U	15.0	U	15.0	U	15.0	U	15.000	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Iron	50.0	U	50.0	U	50.0	U	50.0	U	50.000	U	P
Lead	6.0	U	6.0	U	6.0	U	4.0	J	6.000	U	P
Magnesium	1000.0	U	40.6	J	59.9	J	62.9	J	1000.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	2.0	J	10.000	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.010	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Potassium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Selenium	10.0	U	5.2	J	10.0	U	10.0	U	10.000	U	P
Silver	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Sodium	1000.0	U	1000.0	U	1000.0	U	15.7	J	1000.000	U	P
Thallium	20.0	U	6.1	J	5.1	J	5.7	J	20.000	U	P
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Zinc	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U	0.500	U	P
Antimony			25.0	U	25.0	U	25.0	U	0.250	U	P
Arsenic			10.0	U	10.0	U	10.0	U	0.100	U	P
Barium			50.0	U	50.0	U	50.0	U	0.500	U	P
Beryllium			3.0	U	3.0	U	3.0	U	0.030	U	P
Cadmium			3.0	U	3.0	U	3.0	U	0.030	U	P
Calcium			1000.0	U	1000.0	U	1000.0	U	10.000	U	P
Chromium			5.0	U	-1.2	J	5.0	U	0.050	U	P
Cobalt			15.0	U	15.0	U	15.0	U	0.150	U	P
Copper			10.0	U	10.0	U	10.0	U	0.100	U	P
Iron			50.0	U	50.0	U	50.0	U	0.500	U	P
Lead			6.0	U	6.0	U	6.0	U	0.060	U	P
Magnesium			1000.0	U	1000.0	U	1000.0	U	10.000	U	P
Manganese			10.0	U	10.0	U	10.0	U	0.100	U	P
Mercury			0.200	U	0.200	U	0.200	U			CV
Nickel			20.0	U	20.0	U	20.0	U	0.200	U	P
Potassium			1000.0	U	1000.0	U	1000.0	U	10.000	U	P
Selenium			10.0	U	10.0	U	10.0	U	0.100	U	P
Silver			5.0	U	5.0	U	5.0	U	0.050	U	P
Sodium			1000.0	U	1000.0	U	1000.0	U	10.000	U	P
Thallium			20.0	U	2.5	J	20.0	U	0.200	U	P
Vanadium			20.0	U	20.0	U	20.0	U	0.200	U	P
Zinc			20.0	U	20.0	U	20.0	U	0.200	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U			P
Antimony			25.0	U	25.0	U	25.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			50.0	U	50.0	U	50.0	U			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			3.0	U	3.0	U	3.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	-1.4	J			P
Cobalt			15.0	U	15.0	U	15.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron			50.0	U	50.0	U	50.0	U			P
Lead			6.0	U	6.0	U	6.0	U			P
Magnesium			1000.0	U	1000.0	U	1000.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Mercury			0.200	U	0.200	U	0.200	U			CV
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			1000.0	U	1000.0	U	1000.0	U			P
Selenium			10.0	U	10.0	U	10.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			14.9	J	1000.0	U	1000.0	U			P
Thallium			20.0	U	20.0	U	20.0	U			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	50.0	U	9.6	J	7.3	J	8.1	J			P
Antimony	25.0	U	25.0	U	25.0	U	25.0	U			P
Arsenic	10.0	U	10.0	U	10.0	U	10.0	U			P
Barium	50.0	U	50.0	U	50.0	U	50.0	U			P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U			P
Cadmium	3.0	U	3.0	U	3.0	U	3.0	U			P
Calcium	1000.0	U	1000.0	U	1000.0	U	1000.0	U			P
Chromium	-1.3	J	-1.2	J	-1.3	J	-1.3	J			P
Cobalt	15.0	U	15.0	U	15.0	U	15.0	U			P
Copper	10.0	U	10.0	U	10.0	U	10.0	U			P
Iron	50.0	U	50.0	U	50.0	U	50.0	U			P
Lead	6.0	U	6.0	U	6.0	U	6.0	U			P
Magnesium	1000.0	U	1000.0	U	1000.0	U	1000.0	U			P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U			P
Mercury	0.20	U	0.09	J	0.20	U	0.10	J	0.200	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U			P
Potassium	1000.0	U	1000.0	U	1000.0	U	1000.0	U			P
Selenium	10.0	U	10.0	U	10.0	U	10.0	U			P
Silver	5.0	U	5.0	U	5.0	U	5.0	U			P
Sodium	1000.0	U	1000.0	U	15.0	J	868.9	J			P
Thallium	20.0	U	4.2	J	20.0	U	2.5	J			P
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U			P
Zinc	20.0	U	20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U			P
Antimony			25.0	U	25.0	U	25.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			50.0	U	50.0	U	-4.5	J			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			3.0	U	3.0	U	3.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	5.0	U			P
Cobalt			15.0	U	15.0	U	15.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron			50.0	U	50.0	U	50.0	U			P
Lead			6.0	U	6.0	U	6.0	U			P
Magnesium			1000.0	U	1000.0	U	1000.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Mercury			0.20	U	0.20	U	0.20	U			CV
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			1000.0	U	1000.0	U	1000.0	U			P
Selenium			10.0	U	10.0	U	10.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			171.3	J	151.9	J	145.1	J			P
Thallium			2.8	J	4.2	J	3.6	J			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U					P
Antimony			25.0	U	25.0	U					P
Arsenic			10.0	U	10.0	U					P
Barium			50.0	U	50.0	U					P
Beryllium			3.0	U	3.0	U					P
Cadmium			3.0	U	3.0	U					P
Calcium			1000.0	U	1000.0	U					P
Chromium			5.0	U	5.0	U					P
Cobalt			15.0	U	15.0	U					P
Copper			10.0	U	10.0	U					P
Iron			50.0	U	50.0	U					P
Lead			6.0	U	6.0	U					P
Magnesium			1000.0	U	1000.0	U					P
Manganese			10.0	U	10.0	U					P
Mercury			0.10	J							CV
Nickel			20.0	U	20.0	U					P
Potassium			1000.0	U	1000.0	U					P
Selenium			10.0	U	10.0	U					P
Silver			5.0	U	5.0	U					P
Sodium			104.7	J	128.1	J					P
Thallium			4.6	J	4.2	J					P
Vanadium			20.0	U	20.0	U					P
Zinc			20.0	U	20.0	U					P

Metals
4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
 ICP-MS Instrument ID: P4 ICS Source: INOR-VEN
 Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Aluminum	244100	241100	224000	91.8	228000	94.6
Antimony	0	589	3.9		560	95.1
Arsenic	0	101	10.5		100	99.0
Barium	0	495	4.2		472	95.4
Beryllium	0	475	0.97		459	96.6
Cadmium	0	940	1.9		926	98.5
Calcium	234900	231100	228000	97.1	232000	100.4
Chromium	43	511	38.9	90.5	499	97.7
Cobalt	0	461	4.2		462	100.2
Copper	0	548	4.6		450	82.1
Iron	95600	94800	88900	93.0	90600	95.6
Lead	0	61	6.1		54.0	88.5
Magnesium	247500	251100	241000	97.4	245000	97.6
Manganese	19	502	19.0	100.0	485	96.6
Nickel	0	984	17.3		947	96.2
Potassium	0		11.6		32.1	
Selenium	0	53	11.0		54.4	102.6
Silver	0	206	-0.22		199	96.6
Sodium	0		745		755	
Thallium	0	103	-0.75		95.6	92.8
Vanadium	0	494	3.0		452	91.5
Zinc	0	1028	26.7		912	88.7

Metals
4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
 ICP-MS Instrument ID: P4 ICS Source: INOR-VEN
 Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Aluminum	244100	241100	231000	94.6	234000	97.1
Antimony	0	589	3.7		577	98.0
Arsenic	0	101	7.0		96.4	95.4
Barium	0	495	-0.050		474	95.8
Beryllium	0	475	1.0		478	100.6
Cadmium	0	940	2.5		950	101.1
Calcium	234900	231100	238000	101.3	238000	103.0
Chromium	43	511	39.8	92.6	500	97.8
Cobalt	0	461	4.7		472	102.4
Copper	0	548	3.6		455	83.0
Iron	95600	94800	91200	95.4	91300	96.3
Lead	0	61	5.9		55.0	90.2
Magnesium	247500	251100	249000	100.6	249000	99.2
Manganese	19	502	19.3	101.6	486	96.8
Nickel	0	984	18.2		962	97.8
Potassium	0		-0.23		6.4	
Selenium	0	53	9.2		53.6	101.1
Silver	0	206	-0.14		198	96.1
Sodium	0		774		768	
Thallium	0	103	2.4		100	97.1
Vanadium	0	494	2.6		468	94.7
Zinc	0	1028	28.4		945	91.9

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-3(0-2)S

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1546

NRAS No.: B1546 SDG NO.: B1546

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		6646.1710		6612.6130		225.23	14.9		P
Antimony	47 - 131	83.2140		0.2815	U	90.09	92.4		P
Arsenic	73 - 114	84.9583		2.1509		90.09	91.9		P
Barium		1594.0320		1624.2120		22.52	-134.0		P
Beryllium	79 - 112	19.7827		0.2230		22.52	86.9		P
Cadmium	73 - 114	20.8829		0.3097		22.52	91.4		P
Calcium		692.7028		602.2072		112.61	80.4		P
Chromium	68 - 122	61.1509		18.9077		45.05	93.8		P
Cobalt	68 - 119	22.8649		1.9032		22.52	93.1		P
Copper	59 - 132	98.0552		69.6194		33.78	84.2		P
Iron		7676.3520		7566.6670		337.84	32.5		P
Lead	66 - 125	252.0496		155.5293		112.61	85.7		P
Magnesium	10 - 208	673.9415		487.2748		225.23	82.9		P
Manganese	10 - 205	98.4437		79.2568		22.52	85.2		P
Mercury	34 - 153	0.2511		0.0340		0.23	94.4		CV
Nickel	64 - 129	57.3671		4.6182		56.31	93.7		P
Potassium	37 - 158	1230.7430		188.7951		1126.13	92.5		P
Selenium	69 - 105	196.2725		1.4336		225.23	86.5		P
Silver	54 - 131	7.6126		0.0563	U	8.45	90.1		P
Sodium	10 - 139	391.8469		88.3874		337.84	89.8		P
Thallium	74 - 116	196.8919		0.2252	U	225.23	87.4		P
Vanadium	67 - 127	43.3829		12.9685		33.78	90.0		P
Zinc		556.3964		555.5856		22.52	3.6		P

Comments:

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-3(0-2)SD

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1546

NRAS No.: B1546 SDG NO.: B1546

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		6746.6220		6612.6130		225.23	59.5		P
Antimony	47 - 131	82.1948		0.2815	U	90.09	91.2		P
Arsenic	73 - 114	82.5068		2.1509		90.09	89.2		P
Barium		1640.8780		1624.2120		22.52	74.0		P
Beryllium	79 - 112	19.7669		0.2230		22.52	86.8		P
Cadmium	73 - 114	20.3367		0.3097		22.52	88.9		P
Calcium		700.0113		602.2072		112.61	86.9		P
Chromium	68 - 122	60.2399		18.9077		45.05	91.7		P
Cobalt	68 - 119	22.3412		1.9032		22.52	90.8		P
Copper	59 - 132	98.1464		69.6194		33.78	84.4		P
Iron		7729.2790		7566.6670		337.84	48.1		P
Lead	66 - 125	249.2004		155.5293		112.61	83.2		P
Magnesium	10 - 208	674.4595		487.2748		225.23	83.1		P
Manganese		98.2860		79.2568		22.52	84.5		P
Mercury	34 - 153	0.2461		0.0340		0.23	92.2		CV
Nickel	64 - 129	55.7095		4.6182		56.31	90.7		P
Potassium	37 - 158	1218.2430		188.7951		1126.13	91.4		P
Selenium	69 - 105	193.2207		1.4336		225.23	85.2		P
Silver	54 - 131	7.3232		0.0563	U	8.45	86.7		P
Sodium	10 - 139	392.7815		88.3874		337.84	90.1		P
Thallium	74 - 116	192.2297		0.2252	U	225.23	85.3		P
Vanadium	67 - 127	43.3108		12.9685		33.78	89.8		P
Zinc		561.7343		555.5856		22.52	27.3		P

Comments:

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

SS-3(0-2)D

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546NRAS No.: B1546 SDG NO.: B1546Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 88.8% Solids for Duplicate: 88.8Concentration Units:(ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		6612.6130	6530.4060	1.3		P
Antimony	0.2815	0.2815 U	0.8176	200.0		P
Arsenic		2.1509	2.0766	3.5		P
Barium		1624.2120	1614.1890	0.6		P
Beryllium		0.2230	0.2140	4.1		P
Cadmium		0.3097	0.3255	5.0		P
Calcium		602.2072	598.1419	0.7		P
Chromium		18.9077	18.9110	0.0		P
Cobalt		1.9032	1.8480	2.9		P
Copper		69.6194	69.2691	0.5		P
Iron		7566.6670	7537.0500	0.4		P
Lead		155.5293	155.1577	0.2		P
Magnesium		487.2748	483.3897	0.8		P
Manganese		79.2568	79.2646	0.0		P
Mercury	0.0113	0.0340	0.0383	11.9		CV
Nickel		4.6182	4.6768	1.3		P
Potassium		188.7951	189.5496	0.4		P
Selenium		1.4336	1.5721	9.2		P
Silver		0.0563 U	0.0563 U			P
Sodium		88.3874	88.3987	0.0		P
Thallium		0.2252 U	0.2252 U			P
Vanadium		12.9685	13.0518	0.6		P
Zinc		555.5856	555.7095	0.0		P

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

SS-3(0-2)SD

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546NRAS No.: B1546 SDG NO.: B1546Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 88.8% Solids for Duplicate: 88.8Concentration Units:(ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		6646.1710	6746.6220	1.5		P
Antimony		83.2140	82.1948	1.2		P
Arsenic		84.9583	82.5068	2.9		P
Barium		1594.0320	1640.8780	2.9		P
Beryllium		19.7827	19.7669	0.1		P
Cadmium		20.8829	20.3367	2.7		P
Calcium		692.7028	700.0113	1.0		P
Chromium		61.1509	60.2399	1.5		P
Cobalt		22.8649	22.3412	2.3		P
Copper		98.0552	98.1464	0.1		P
Iron		7676.3520	7729.2790	0.7		P
Lead		252.0496	249.2004	1.1		P
Magnesium		673.9415	674.4595	0.1		P
Manganese		98.4437	98.2860	0.2		P
Mercury		0.2511	0.2461	2.0		CV
Nickel		57.3671	55.7095	2.9		P
Potassium		1230.7430	1218.2430	1.0		P
Selenium		196.2725	193.2207	1.6		P
Silver		7.6126	7.3232	3.9		P
Sodium		391.8469	392.7815	0.2		P
Thallium		196.8919	192.2297	2.4		P
Vanadium		43.3829	43.3108	0.2		P
Zinc		556.3964	561.7343	1.0		P

Metals

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1546 NRAS No: B1546 SDG NO.: B1546
 Solid LCS Source: INOR-VEN
 Aqueous LCS Source: INOR-VEN

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Aluminum	2000.0	1747.90	87.4	200.0	175.0		76.0	118.0	87.5
Antimony	800.0	749.66	93.7	80.0	74.8		81.0	112.0	93.5
Arsenic	800.0	746.42	93.3	80.0	74.2		82.0	112.0	92.8
Barium	200.0	191.88	95.9	20.0	19.4		83.0	118.0	97.0
Beryllium	200.0	179.13	89.6	20.0	17.9		84.0	113.0	89.5
Cadmium	200.0	181.88	90.9	20.0	18.1		82.0	117.0	90.5
Calcium	1000.0	943.47	94.3	100.0	96.6		78.0	138.0	96.6
Chromium	400.0	397.78	99.4	40.0	39.8		84.0	115.0	99.5
Cobalt	200.0	184.15	92.1	20.0	18.3		84.0	114.0	91.5
Copper	300.0	288.04	96.0	30.0	29.0		80.0	115.0	96.7
Iron	3000.0	2893.60	96.5	300.0	290.5		78.0	109.0	96.8
Lead	1000.0	897.67	89.8	100.0	88.6		82.0	117.0	88.6
Magnesium	2000.0	1851.10	92.6	200.0	184.1		80.0	121.0	92.0
Manganese	200.0	193.40	96.7	20.0	19.4		84.0	114.0	97.0
Mercury	4.000	4.400	110.0	0.200	0.192		73.0	121.0	96.0
Nickel	500.0	465.85	93.2	50.0	46.1		85.0	118.0	92.2
Potassium	10000.0	9535.80	95.4	1000.0	958.0		67.0	116.0	95.8
Selenium	2000.0	1777.40	88.9	200.0	176.5		74.0	110.0	88.2
Silver	75.0	69.27	92.4	7.5	7.0		81.0	123.0	93.3
Sodium	3000.0	2753.10	91.8	300.0	276.5		70.0	135.0	92.2
Thallium	2000.0	1738.60	86.9	200.0	173.3		86.0	119.0	86.6
Vanadium	300.0	280.04	93.3	30.0	28.1		84.0	113.0	93.7
Zinc	200.0	185.80	92.9	20.0	19.0		88.0	127.0	95.0

Metals

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

SS-3(0-2)L

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1546NRAS No.: B1546 SDG NO.: B1546Matrix (soil/water): WATERLevel (low/med): LOWConcentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
Aluminum	58720.00	C	60225.00	C	2.6		P
Antimony	25.00	U	125.00	U			P
Arsenic	19.10		50.00	U	100.0		P
Barium	14423.00		15071.00		4.5		P
Beryllium	1.98	J	15.00	U	100.0		P
Cadmium	2.75	J	15.00	U	100.0		P
Calcium	5347.60		5551.00		3.8		P
Chromium	167.90		175.10		4.3		P
Cobalt	16.90		75.00	U	100.0		P
Copper	618.22		669.75		8.3		P
Iron	67192.00		70470.00		4.9		P
Lead	1381.10		1422.20		3.0		P
Magnesium	4327.00		4503.40	J	4.1		P
Manganese	703.80		735.30		4.5		P
Mercury	0.60		1.00	U	100.0		CV
Nickel	41.01		44.85	J	9.4		P
Potassium	1676.50		1743.05	J	4.0		P
Selenium	12.73		50.00	U	100.0		P
Silver	5.00	U	25.00	U			P
Sodium	784.88	J	791.15	J	0.8		P
Thallium	20.00	U	100.00	U			P
Vanadium	115.16		121.05		5.1		P
Zinc	4933.60		5357.50		8.6		P



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-1(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-01	Matrix:	SOIL
		% Solid:	86.9

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.575	U	1	0.575	0.575	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-2(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-02	Matrix:	SOIL
		% Solid:	92.4

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.541	U	1	0.541	0.541	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-3(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-03	Matrix:	SOIL
		% Solid:	88.8

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.563	U	1	0.563	0.563	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-4(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-06	Matrix:	SOIL
		% Solid:	86.4

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.794		1	0.579	0.579	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-5(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-07	Matrix:	SOIL
		% Solid:	91.9

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.544	U	1	0.544	0.544	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-6(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-08	Matrix:	SOIL
		% Solid:	89.8

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.557	U	1	0.557	0.557	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-7(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-09	Matrix:	SOIL
		% Solid:	75

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.667	U	1	0.667	0.667	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

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E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-8(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-10	Matrix:	SOIL
		% Solid:	93.1

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.537	U	1	0.537	0.537	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-9(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-11	Matrix:	SOIL
		% Solid:	92.1

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.543	U	1	0.543	0.543	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-10(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-12	Matrix:	SOIL
		% Solid:	73

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.685	U	1	0.685	0.685	mg/Kg	03/10/10	03/11/10	9012A

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MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-11(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-13	Matrix:	SOIL
		% Solid:	66.8

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	5.41		1	0.749	0.749	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-12(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-14	Matrix:	SOIL
		% Solid:	56.2

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.89	U	1	0.89	0.89	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	DUP-01	SDG No.:	B1546
Lab Sample ID:	B1546-15	Matrix:	SOIL
		% Solid:	91.8

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.545	U	1	0.545	0.545	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	FIELDBLANK	SDG No.:	B1546
Lab Sample ID:	B1546-16	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.01	U	1	0.01	0.01	mg/L	03/10/10	03/11/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Initial and Continuing Calibration Blank Summary

Client: P.W. Grosser Consulting

SDG No.: B1546

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: CCB1 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB2 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB3 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB4 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB5 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB6 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: CCB7 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: ICB1 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: ICB2 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010
Sample ID: ICB3 Cyanide		mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010



Preparation Blank Summary

Client: P.W. Grosser Consulting

SDG No.: B1546

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: Cyanide	PBS1	mg/Kg	< 0.500	+/-0.500	U	0.500	03/11/2010
Sample ID: Cyanide	PBS2	mg/Kg	< 0.500	+/-0.500	U	0.500	03/11/2010
Sample ID: Cyanide	PBW1	mg/L	< 0.010	+/-0.010	U	0.010	03/11/2010



Matrix Spike Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1546
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1546-03
Client ID:	B1546-03S	Percent Solids for Spike Sample:	88.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	80-120	6.330		0.563	U	5.63	1	112.43		03/11/2010

Matrix Spike Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1546
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1546-03
Client ID:	B1546-03SD	Percent Solids for Spike Sample:	88.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	80-120	6.68		0.563	U	5.62	1	118.9		03/11/2010



Matrix Spike Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1546
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1552-01
Client ID:	FK-BPM-BUCK-A74-A72-	Percent Solids for Spike Sample:	94.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	80-120	5.980		0.528	U	5.28	1	113.3		03/11/2010



Duplicate Sample Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1546
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1546-03
Client ID:	B1546-03SD	Percent Solids for Spike Sample:	88.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	6.33		6.68		1	5.4		03/11/2010

Duplicate Sample Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1546
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1552-01
Client ID:	FK-BPM-BUCK-A74-A7	Percent Solids for Spike Sample:	94.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.563	U	0.563	U	1	0		03/11/2010



Laboratory Control Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1546

Project:

Ronkonkona Wallpaper- Suffolk County

Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSS1							
Cyanide	mg/Kg	10.000	10.200		102.000	1	80-120	03/11/2010



Laboratory Control Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1546

Project:

Ronkonkona Wallpaper- Suffolk County

Analyte		Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSS2								
Cyanide		mg/Kg	10.000	10.200		102.000	1	80-120	03/11/2010



Laboratory Control Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1546

Project:

Ronkonkona Wallpaper- Suffolk County

Analyte		Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSW1								
Cyanide		mg/L	0.100	0.098		98.000	1	80-120	03/11/2010

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : RONKONKONA WALLPAPER- SUFFOLK COUNTY

P.W. GROSSER CONSULTING

630 Johnson Ave.

Suite 7

Bohemia , NY - 11716

Phone No: 6315896353

ORDER ID : B1561

ATTENTION : Zeb Youngman

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SB-1(18-20)	B1561-01	8260B	8270C				Chemtech - SOP
SB-2(18-20)	B1561-02	8260B	8270C				Chemtech - SOP
SB-3(18-20)	B1561-03	8260B	8270C				Chemtech - SOP
SB-4(18-20)	B1561-04	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
SB-5(14-16)	B1561-05	8260B				6010B, 7471A	9012A, Chemtech - SOP
SB-5(18-20)	B1561-06	8260B				6010B, 7471A	9012A, Chemtech - SOP
SB-6(14-16)	B1561-07	8260B				6010B, 7471A	9012A, Chemtech - SOP
SB-6(18-20)	B1561-08	8260B				6010B, 7471A	9012A, Chemtech - SOP
SB-7(14-16)	B1561-11	8260B				6010B, 7471A	9012A, Chemtech - SOP
SB-7(18-20)	B1561-12	8260B				6010B, 7471A	9012A, Chemtech - SOP
DUP-02	B1561-13	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
FIELD BLANK (3-9-10)	B1561-14	8260B	8270C			6010B, 7470A	9012A
TRIP BLANK	B1561-15	8260B					

**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
B1561-01	SOIL	03/09/10	03/10/10	03/11/10	03/12/10
B1561-02	SOIL	03/09/10	03/10/10	03/11/10	03/11/10
B1561-03	SOIL	03/09/10	03/10/10	03/11/10	03/11/10
B1561-04	SOIL	03/09/10	03/10/10	03/11/10	03/12/10
B1561-13	SOIL	03/09/10	03/10/10	03/11/10	03/12/10
B1561-14	WATER	03/09/10	03/10/10	03/11/10	03/12/10

* Details For Test :SVOC-TCL BNA -20

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
B1561-01	SOIL	03/09/10	03/10/10		03/10/10
B1561-02	SOIL	03/09/10	03/10/10		03/10/10
B1561-03	SOIL	03/09/10	03/10/10		03/10/10
B1561-04	SOIL	03/09/10	03/10/10		03/10/10
B1561-05	SOIL	03/09/10	03/10/10		03/10/10
B1561-06	SOIL	03/09/10	03/10/10		03/10/10
B1561-07	SOIL	03/09/10	03/10/10		03/10/10
B1561-08	SOIL	03/09/10	03/10/10		03/11/10
B1561-11	SOIL	03/09/10	03/10/10		03/10/10
B1561-12	SOIL	03/09/10	03/10/10		03/11/10
B1561-13	SOIL	03/09/10	03/10/10		03/11/10
B1561-14	WATER	03/09/10	03/10/10		03/10/10
B1561-15	WATER	03/03/10	03/10/10		03/10/10

* Details For Test :VOC-TCLVOA-10

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
B1561-01	Solid	8260B	5035		
B1561-02	Solid	8260B	5035		
B1561-03	Solid	8260B	5035		
B1561-04	Solid	8260B	5035		
B1561-05	Solid	8260B	5035		
B1561-06	Solid	8260B	5035		
B1561-07	Solid	8260B	5035		
B1561-08	Solid	8260B	5035		
B1561-09	Solid	8260B	5035		
B1561-10	Solid	8260B	5035		
B1561-11	Solid	8260B	5035		
B1561-12	Solid	8260B	5035		
B1561-13	Solid	8260B	5035		
B1561-14	Water	8260B	5030		
B1561-15	Water	8260B	5030		

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IV

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1561-04	SOIL	Mercury	03/10/10	03/10/10	03/11/10
B1561-05	SOIL	Mercury	03/10/10	03/10/10	03/11/10
B1561-06	SOIL	Mercury	03/10/10	03/10/10	03/11/10
B1561-07	SOIL	Mercury	03/10/10	03/10/10	03/11/10
B1561-08	SOIL	Mercury	03/10/10	03/10/10	03/11/10
B1561-11	SOIL	Mercury	03/10/10	03/10/10	03/11/10
B1561-12	SOIL	Mercury	03/10/10	03/10/10	03/11/10
B1561-13	SOIL	Mercury	03/10/10	03/10/10	03/11/10
B1561-14	WATER	Mercury	03/10/10	03/12/10	03/15/10

* Details For Test :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
B1561-01	Solid	8270C	3550		
B1561-02	Solid	8270C	3550		
B1561-03	Solid	8270C	3550		
B1561-04	Solid	8270C	3550		
B1561-13	Solid	8270C	3550		
B1561-14	Water	8270C	3510C		

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IV

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1561-04	SOIL	Metals ICP-TAL	03/10/10	03/10/10	03/10/10
B1561-05	SOIL	Metals ICP-TAL	03/10/10	03/10/10	03/10/10
B1561-06	SOIL	Metals ICP-TAL	03/10/10	03/10/10	03/10/10
B1561-07	SOIL	Metals ICP-TAL	03/10/10	03/10/10	03/10/10
B1561-08	SOIL	Metals ICP-TAL	03/10/10	03/10/10	03/10/10
B1561-11	SOIL	Metals ICP-TAL	03/10/10	03/10/10	03/10/10
B1561-12	SOIL	Metals ICP-TAL	03/10/10	03/10/10	03/10/10
B1561-13	SOIL	Metals ICP-TAL	03/10/10	03/10/10	03/10/10
B1561-14	WATER	Metals ICP-TAL	03/10/10	03/10/10	03/10/10

* Details For Test :Metals ICP-TAL

Cover Page

Order ID : B1561

Project ID : Ronkonkona Wallpaper- Suffolk County

Client : P.W. Grosser Consulting

Lab Sample Number

B1561-01
B1561-02
B1561-03
B1561-04
B1561-05
B1561-06
B1561-07
B1561-08
B1561-09
B1561-10
B1561-11
B1561-12
B1561-13
B1561-14
B1561-15

Client Sample Number

SB-1(18-20)
SB-2(18-20)
SB-3(18-20)
SB-4(18-20)
SB-5(14-16)
SB-5(18-20)
SB-6(14-16)
SB-6(18-20)
B1561-08MS
B1561-08MSD
SB-7(14-16)
SB-7(18-20)
DUP-02
FIELDBLANK(3-9-10)
TRIPBLANK

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 : _____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1561

A. Number of Samples and Date of Receipt:

13 Solid samples were received on 3/10/10.

2 Water samples were received on 3/10/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, 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 K were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator. The analysis performed on instrument MSVOA E were done using GC column RTX-VMS which is 60 meters, 0.25 ID, 1.40 df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260.

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 for (BSE0310W2) recoveries met criteria except for Methylene Chloride.

The Blank Spike Duplicate met requirements for all samples except for Methylene Chloride but it was not detected in Samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% for 1,1-Dichloroethane, 2-Butanone, Benzene, cis-1,2-dichloroethene, Cyclohexane, Ethylbenzene, o-Xylene, Styrene and Toluene in the Initial Calibration (Method 82E030910W.M) , they are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor

The %RSD is greater than 15% in the Initial Calibration (Method 82K030810S.M) for Dichlorodifluoromethane and Vinyl Chloride. These compounds are passing on linear regressions, however in this case they were left on average response factor.

The %RSD is greater than 15% in the Initial Calibration (Method 82K031110S.M) for Dichlorodifluoromethane, Chloromethane, Trichlorofluoromethane, Methyl Acetate and Vinyl Chloride. These compounds are passing on linear regressions, however in this case they were left on average response factor.

The ICV (File ID: VK037946.D Method 82K030810S.M) met the requirements except for Acetone.

The Continuing Calibration (File ID: VK037988.D Method 82K030810S.M) met the requirements except for Dichlorodifluoromethane, Vinyl Chloride and Trichlorofluoromethane but they were not detected in Samples.

The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1561

A. Number of Samples and Date of Receipt:

13 Solid samples were received on 3/10/10.

2 Water samples were received on 3/10/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, 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 E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704. The analysis of SVOC-TCL BNA -20 was based on method 8270 and extraction was done based on method 3541 and 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 (B1568-03MS) recoveries met the requirements for all compounds except for 3,3'-Dichlorobenzidine.

The MSD (B1568-04MSD) recoveries met the acceptable requirements except for 3,3'-Dichlorobenzidine.

The RPD for (B1568-04MSD) recoveries met criteria except for 3,3'-Dichlorobenzidine.

The Blank Spike (PB48202BS) met requirements for all samples except for 4-Chloroaniline but it were not detected in Samples.

The Blank analysis indicated presence of Acetophenone (1.6ug/L, File ID: BE062546.D) due to possible lab contamination.

The Blank analysis indicated presence of Dimethylphthalate (110ug/kg, File ID: BE062548.D) due to possible lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BE030910.M) for Benzaldehyde. This compound is passing on quadratic regressions, however in this case it was left on average response factor.

The ICV (File ID: BE062508.D Method 8270-BE030910.M) met the requirements except for Benzaldehyde.

The Continuing Calibration (File ID: BE062574.D Method 8270-BE030910.M) met the requirements except for Benzaldehyde but it was not detected in Samples.
The Continuing Calibration (File ID: BE062545.D Method 8270-BE030910.M) met the requirements except for 2-Nitroaniline but it was not detected in Samples.
The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # `N/A

Chemtech Project # B1561

A. Number of Samples and Date of Receipt:

13 Solid samples were received on 3/10/10.

2 Water samples were received on 3/10/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL and Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010B and Mercury was based on method 7470A/7471A

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 met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1561

A. Number of Samples and Date of Receipt:

13 Solid samples were received on 3/10/10.

2 Water samples were received on 3/10/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for Cyanide.

C. Analytical Techniques:

The analysis of Cyanide was based on method 9012A

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 met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

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_____



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-01Sample wt/vol: 5.03 (g/mL) g Lab File ID: VK038005.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 5 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl Chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
67-64-1	Acetone	26	U
75-15-0	Carbon Disulfide	5.2	U
1634-04-4	Methyl tert-butyl Ether	5.2	U
79-20-9	Methyl Acetate	5.2	U
75-09-2	Methylene Chloride	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
110-82-7	Cyclohexane	5.2	U
78-93-3	2-Butanone	26	U
56-23-5	Carbon Tetrachloride	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
108-87-2	Methylcyclohexane	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
79-01-6	Trichloroethene	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-01Sample wt/vol: 5.03 (g/mL) g Lab File ID: VK038005.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 5 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

108-10-1	4-Methyl-2-Pentanone	26	U
108-88-3	Toluene	5.2	U
10061-02-6	t-1,3-Dichloropropene	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
591-78-6	2-Hexanone	26	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethyl Benzene	5.2	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-02Sample wt/vol: 5 (g/mL) g Lab File ID: VK038006.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 4 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl Chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
67-64-1	Acetone	26	U
75-15-0	Carbon Disulfide	5.2	U
1634-04-4	Methyl tert-butyl Ether	5.2	U
79-20-9	Methyl Acetate	5.2	U
75-09-2	Methylene Chloride	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
110-82-7	Cyclohexane	5.2	U
78-93-3	2-Butanone	26	U
56-23-5	Carbon Tetrachloride	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
108-87-2	Methylcyclohexane	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
79-01-6	Trichloroethene	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
108-10-1	4-Methyl-2-Pentanone	26	U
108-88-3	Toluene	5.2	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-02Sample wt/vol: 5 (g/mL) g Lab File ID: VK038006.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 4 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
591-78-6	2-Hexanone	26	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethyl Benzene	5.2	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-2(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-02

Sample wt/vol: 5 (g/mL) g Lab File ID: VK038006.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 4 Date Analyzed: 03/10/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg
(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.83	11	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-3(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-03

Sample wt/vol: 4.99 (g/mL) g Lab File ID: VK038007.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 3 Date Analyzed: 03/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl Chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
67-64-1	Acetone	26	U
75-15-0	Carbon Disulfide	5.2	U
1634-04-4	Methyl tert-butyl Ether	5.2	U
79-20-9	Methyl Acetate	5.2	U
75-09-2	Methylene Chloride	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
110-82-7	Cyclohexane	5.2	U
78-93-3	2-Butanone	26	U
56-23-5	Carbon Tetrachloride	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
108-87-2	Methylcyclohexane	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
79-01-6	Trichloroethene	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
108-10-1	4-Methyl-2-Pentanone	26	U
108-88-3	Toluene	5.2	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-3(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOILLab Sample ID: B1561-03Sample wt/vol: 4.99 (g/mL) gLab File ID: VK038007.DLevel: (low/med) LOWDate Received: 03/10/10% Moisture: not dec. 3Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm)Dilution Factor: 1Soil Extract Volume: 5000 (uL)Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
591-78-6	2-Hexanone	26	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethyl Benzene	5.2	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-3(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-03

Sample wt/vol: 4.99 (g/mL) g Lab File ID: VK038007.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 3 Date Analyzed: 03/10/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.84	5.0	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-04Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK038008.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 5 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.3	U
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl Chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U
75-35-4	1,1-Dichloroethene	5.3	U
67-64-1	Acetone	26	U
75-15-0	Carbon Disulfide	5.3	U
1634-04-4	Methyl tert-butyl Ether	5.3	U
79-20-9	Methyl Acetate	5.3	U
75-09-2	Methylene Chloride	5.3	U
156-60-5	trans-1,2-Dichloroethene	5.3	U
75-34-3	1,1-Dichloroethane	5.3	U
110-82-7	Cyclohexane	5.3	U
78-93-3	2-Butanone	26	U
56-23-5	Carbon Tetrachloride	5.3	U
156-59-2	cis-1,2-Dichloroethene	5.3	U
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U
108-87-2	Methylcyclohexane	5.3	U
71-43-2	Benzene	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U
79-01-6	Trichloroethene	5.3	U
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
108-10-1	4-Methyl-2-Pentanone	26	U
108-88-3	Toluene	5.3	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-04Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK038008.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 5 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
591-78-6	2-Hexanone	26	U
124-48-1	Dibromochloromethane	5.3	U
106-93-4	1,2-Dibromoethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethyl Benzene	5.3	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U
120-82-1	1,2,4-Trichlorobenzene	5.3	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-5(14-16)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-05Sample wt/vol: 5 (g/mL) g Lab File ID: VK038009.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 6 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.3	U
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl Chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U
75-35-4	1,1-Dichloroethene	5.3	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.3	U
1634-04-4	Methyl tert-butyl Ether	5.3	U
79-20-9	Methyl Acetate	5.3	U
75-09-2	Methylene Chloride	5.3	U
156-60-5	trans-1,2-Dichloroethene	5.3	U
75-34-3	1,1-Dichloroethane	5.3	U
110-82-7	Cyclohexane	5.3	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.3	U
156-59-2	cis-1,2-Dichloroethene	5.3	U
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U
108-87-2	Methylcyclohexane	5.3	U
71-43-2	Benzene	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U
79-01-6	Trichloroethene	5.3	U
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.3	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-5(14-16)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-05Sample wt/vol: 5 (g/mL) g Lab File ID: VK038009.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 6 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.3	U
106-93-4	1,2-Dibromoethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethyl Benzene	5.3	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U
120-82-1	1,2,4-Trichlorobenzene	5.3	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-5(14-16)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-05

Sample wt/vol: 5 (g/mL) g Lab File ID: VK038009.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 6 Date Analyzed: 03/10/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.83	21	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-5(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-06Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038010.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 3 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.1	U
74-87-3	Chloromethane	5.1	U
75-01-4	Vinyl Chloride	5.1	U
74-83-9	Bromomethane	5.1	U
75-00-3	Chloroethane	5.1	U
75-69-4	Trichlorofluoromethane	5.1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.1	U
75-35-4	1,1-Dichloroethene	5.1	U
67-64-1	Acetone	26	U
75-15-0	Carbon Disulfide	5.1	U
1634-04-4	Methyl tert-butyl Ether	5.1	U
79-20-9	Methyl Acetate	5.1	U
75-09-2	Methylene Chloride	5.1	U
156-60-5	trans-1,2-Dichloroethene	5.1	U
75-34-3	1,1-Dichloroethane	5.1	U
110-82-7	Cyclohexane	5.1	U
78-93-3	2-Butanone	26	U
56-23-5	Carbon Tetrachloride	5.1	U
156-59-2	cis-1,2-Dichloroethene	5.1	U
67-66-3	Chloroform	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	U
108-87-2	Methylcyclohexane	5.1	U
71-43-2	Benzene	5.1	U
107-06-2	1,2-Dichloroethane	5.1	U
79-01-6	Trichloroethene	5.1	U
78-87-5	1,2-Dichloropropane	5.1	U
75-27-4	Bromodichloromethane	5.1	U
108-10-1	4-Methyl-2-Pentanone	26	U
108-88-3	Toluene	5.1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-5(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-06Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038010.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 3 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
591-78-6	2-Hexanone	26	U
124-48-1	Dibromochloromethane	5.1	U
106-93-4	1,2-Dibromoethane	5.1	U
127-18-4	Tetrachloroethene	5.1	U
108-90-7	Chlorobenzene	5.1	U
100-41-4	Ethyl Benzene	5.1	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5.1	U
100-42-5	Styrene	5.1	U
75-25-2	Bromoform	5.1	U
98-82-8	Isopropylbenzene	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
541-73-1	1,3-Dichlorobenzene	5.1	U
106-46-7	1,4-Dichlorobenzene	5.1	U
95-50-1	1,2-Dichlorobenzene	5.1	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.1	U
120-82-1	1,2,4-Trichlorobenzene	5.1	U



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SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-5(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-06

Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038010.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 3 Date Analyzed: 03/10/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.83	10	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-6(14-16)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-07Sample wt/vol: 5 (g/mL) g Lab File ID: VK038011.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 6 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.3	U
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl Chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U
75-35-4	1,1-Dichloroethene	5.3	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.3	U
1634-04-4	Methyl tert-butyl Ether	5.3	U
79-20-9	Methyl Acetate	5.3	U
75-09-2	Methylene Chloride	5.3	U
156-60-5	trans-1,2-Dichloroethene	5.3	U
75-34-3	1,1-Dichloroethane	5.3	U
110-82-7	Cyclohexane	5.3	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.3	U
156-59-2	cis-1,2-Dichloroethene	5.3	U
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U
108-87-2	Methylcyclohexane	5.3	U
71-43-2	Benzene	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U
79-01-6	Trichloroethene	5.3	U
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.3	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-6(14-16)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-07Sample wt/vol: 5 (g/mL) g Lab File ID: VK038011.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 6 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.3	U
106-93-4	1,2-Dibromoethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethyl Benzene	5.3	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U
120-82-1	1,2,4-Trichlorobenzene	5.3	U



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SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-6(14-16)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-07

Sample wt/vol: 5 (g/mL) g Lab File ID: VK038011.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 6 Date Analyzed: 03/10/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.83	17	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-6(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-08Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038035.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 5 Date Analyzed: 03/11/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl Chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
67-64-1	Acetone	26	U
75-15-0	Carbon Disulfide	5.2	U
1634-04-4	Methyl tert-butyl Ether	5.2	U
79-20-9	Methyl Acetate	5.2	U
75-09-2	Methylene Chloride	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
110-82-7	Cyclohexane	5.2	U
78-93-3	2-Butanone	26	U
56-23-5	Carbon Tetrachloride	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
108-87-2	Methylcyclohexane	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
79-01-6	Trichloroethene	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
108-10-1	4-Methyl-2-Pentanone	26	U
108-88-3	Toluene	5.2	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-6(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-08Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038035.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 5 Date Analyzed: 03/11/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
591-78-6	2-Hexanone	26	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethyl Benzene	5.2	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-6(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-08

Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038035.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 5 Date Analyzed: 03/11/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.83	5.4	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-7(14-16)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-11Sample wt/vol: 5 (g/mL) g Lab File ID: VK038012.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 6 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.3	U
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl Chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U
75-35-4	1,1-Dichloroethene	5.3	U
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.3	U
1634-04-4	Methyl tert-butyl Ether	5.3	U
79-20-9	Methyl Acetate	5.3	U
75-09-2	Methylene Chloride	5.3	U
156-60-5	trans-1,2-Dichloroethene	5.3	U
75-34-3	1,1-Dichloroethane	5.3	U
110-82-7	Cyclohexane	5.3	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.3	U
156-59-2	cis-1,2-Dichloroethene	5.3	U
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U
108-87-2	Methylcyclohexane	5.3	U
71-43-2	Benzene	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U
79-01-6	Trichloroethene	5.3	U
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.3	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-7(14-16)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-11Sample wt/vol: 5 (g/mL) g Lab File ID: VK038012.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 6 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.3	U
106-93-4	1,2-Dibromoethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethyl Benzene	5.3	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U
120-82-1	1,2,4-Trichlorobenzene	5.3	U



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SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-7(14-16)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-11

Sample wt/vol: 5 (g/mL) g Lab File ID: VK038012.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 6 Date Analyzed: 03/10/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.83	36	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-7(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-12

Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK038038.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 3 Date Analyzed: 03/11/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.1	U
74-87-3	Chloromethane	5.1	U
75-01-4	Vinyl Chloride	5.1	U
74-83-9	Bromomethane	5.1	U
75-00-3	Chloroethane	5.1	U
75-69-4	Trichlorofluoromethane	5.1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.1	U
75-35-4	1,1-Dichloroethene	5.1	U
67-64-1	Acetone	26	U
75-15-0	Carbon Disulfide	5.1	U
1634-04-4	Methyl tert-butyl Ether	5.1	U
79-20-9	Methyl Acetate	5.1	U
75-09-2	Methylene Chloride	5.1	U
156-60-5	trans-1,2-Dichloroethene	5.1	U
75-34-3	1,1-Dichloroethane	5.1	U
110-82-7	Cyclohexane	5.1	U
78-93-3	2-Butanone	26	U
56-23-5	Carbon Tetrachloride	5.1	U
156-59-2	cis-1,2-Dichloroethene	5.1	U
67-66-3	Chloroform	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	U
108-87-2	Methylcyclohexane	5.1	U
71-43-2	Benzene	5.1	U
107-06-2	1,2-Dichloroethane	5.1	U
79-01-6	Trichloroethene	5.1	U
78-87-5	1,2-Dichloropropane	5.1	U
75-27-4	Bromodichloromethane	5.1	U
108-10-1	4-Methyl-2-Pentanone	26	U
108-88-3	Toluene	5.1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-7(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-12Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK038038.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 3 Date Analyzed: 03/11/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
591-78-6	2-Hexanone	26	U
124-48-1	Dibromochloromethane	5.1	U
106-93-4	1,2-Dibromoethane	5.1	U
127-18-4	Tetrachloroethene	5.1	U
108-90-7	Chlorobenzene	5.1	U
100-41-4	Ethyl Benzene	5.1	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5.1	U
100-42-5	Styrene	5.1	U
75-25-2	Bromoform	5.1	U
98-82-8	Isopropylbenzene	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
541-73-1	1,3-Dichlorobenzene	5.1	U
106-46-7	1,4-Dichlorobenzene	5.1	U
95-50-1	1,2-Dichlorobenzene	5.1	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.1	U
120-82-1	1,2,4-Trichlorobenzene	5.1	U



-1E-

SOIL VOLATILE ANALYSIS
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-7(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-12

Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK038038.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 3 Date Analyzed: 03/11/10

GC Column: RTX-VM6 ID: 0.18 Dilution Factor: 1

Soil Extract Volume: 5000 Soil Aliquot Volume:

Number TICS found: 1 Concentration Units: ug/Kg

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
141-78-6	Ethyl Acetate	2.83	46	J



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-02

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-13Sample wt/vol: 5 (g/mL) g Lab File ID: VK038039.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 8 Date Analyzed: 03/11/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
67-64-1	Acetone	7.5	J
75-15-0	Carbon Disulfide	5.4	U
1634-04-4	Methyl tert-butyl Ether	5.4	U
79-20-9	Methyl Acetate	5.4	U
75-09-2	Methylene Chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
108-87-2	Methylcyclohexane	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.4	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-02

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-13Sample wt/vol: 5 (g/mL) g Lab File ID: VK038039.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: not dec. 8 Date Analyzed: 03/11/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethyl Benzene	5.4	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDBLANK(3-9-10)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): WATER Lab Sample ID: B1561-14Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017380.DLevel: (low/med) _____ Date Received: 03/10/10% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK(3-9-10)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): WATER Lab Sample ID: B1561-14

Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017380.D

Level: (low/med) Date Received: 03/10/10

% Moisture: not dec. 100 Date Analyzed: 03/10/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): WATER Lab Sample ID: B1561-15

Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017379.D

Level: (low/med) Date Received: 03/10/10

% Moisture: not dec. 100 Date Analyzed: 03/10/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): WATER Lab Sample ID: B1561-15Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017379.DLevel: (low/med) _____ Date Received: 03/10/10% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U

Hit Summary Sheet

SW-846

SDG No.: B1561

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID: B1561-13	DUP-02 DUP-02	SOIL	Acetone	7.50	J	27	3.3	ug/Kg
Total Voc :					7.50			
Total Concentration:					7.50			
Client ID: B1561-02	SB-2(18-20) SB-2(18-20)	SOIL	Ethyl Acetate	* 11.00	J	5.2	0.91	ug/Kg
Total Tics :					11.00			
Total Concentration:					11.00			
Client ID: B1561-03	SB-3(18-20) SB-3(18-20)	SOIL	Ethyl Acetate	* 5.00	J	5.2	0.90	ug/Kg
Total Tics :					5.00			
Total Concentration:					5.00			
Client ID: B1561-05	SB-5(14-16) SB-5(14-16)	SOIL	Ethyl Acetate	* 21.00	J	5.3	0.93	ug/Kg
Total Tics :					21.00			
Total Concentration:					21.00			
Client ID: B1561-06	SB-5(18-20) SB-5(18-20)	SOIL	Ethyl Acetate	* 10.00	J	5.1	0.89	ug/Kg
Total Tics :					10.00			
Total Concentration:					10.00			
Client ID: B1561-07	SB-6(14-16) SB-6(14-16)	SOIL	Ethyl Acetate	* 17.00	J	5.3	0.93	ug/Kg
Total Tics :					17.00			
Total Concentration:					17.00			
Client ID: B1561-08	SB-6(18-20) SB-6(18-20)	SOIL	Ethyl Acetate	* 5.40	J	5.2	0.91	ug/Kg
Total Tics :					5.40			
Total Concentration:					5.40			
Client ID: B1561-11	SB-7(14-16) SB-7(14-16)	SOIL	Ethyl Acetate	* 36.00	J	5.3	0.93	ug/Kg
Total Tics :					36.00			
Total Concentration:					36.00			
Client ID: B1561-12	SB-7(18-20) SB-7(18-20)	SOIL	Ethyl Acetate	* 46.00	J	5.1	0.90	ug/Kg
Total Tics :					46.00			
Total Concentration:					46.00			

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM CASE No.: B1561 SAS No.: B1561 SDG NO.: B1561

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBE0310W2	87	89	86	85	0
02	BSE0310W1	85	86	84	85	0
03	BSE0310W2	84	87	82	85	0
04	TRIPBLANK	83	83	82	83	0
05	FIELDBLANK(3-9-10)	86	83	82	80	0

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBK0310S1	86	99	95	95	0
02	BSK0310S1	91	99	97	97	0
03	SB-1(18-20)	89	102	97	96	0
04	SB-2(18-20)	94	102	97	95	0
05	SB-3(18-20)	88	102	98	97	0
06	SB-4(18-20)	92	101	97	94	0
07	SB-5(14-16)	90	104	97	97	0
08	SB-5(18-20)	90	102	96	96	0
09	SB-6(14-16)	91	102	95	96	0
10	SB-7(14-16)	90	103	95	97	0

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBK0311S1	95	101	95	95	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (55-158)

SMC2 (DBFM) =Dibromofluoromethane (53-156)

SMC3 (TOL) =Toluene-d8 (68-122)

SMC4 (BFB) =4-Bromofluorobenzene (25-144)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM CASE No.: B1561 SAS No.: B1561 SDG NO.: B1561Level: (low/med) LOW

02	BSK0311S1	99	104	98	100	0
03	SB-6(18-20)	88	102	96	93	0
04	SB-6(18-20)MS	96	100	96	95	0
05	SB-6(18-20)MSD	99	101	97	97	0
06	SB-7(18-20)	89	98	93	91	0
07	DUP-02	89	102	95	93	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (55-158)

SMC2 (DBFM) =Dibromofluoromethane (53-156)

SMC3 (TOL) =Toluene-d8 (68-122)

SMC4 (BFB) =4-Bromofluorobenzene (25-144)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : B1561-09

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	53	0	63	119	(42-151)
Chloromethane	53	0	59	111	(43-150)
Vinyl Chloride	53	0	55	104	(48-144)
Bromomethane	53	0	56	106	(40-154)
Chloroethane	53	0	57	108	(39-165)
Trichlorofluoromethane	53	0	54	102	(46-159)
1,1,2-Trichlorotrifluoroethane	53	0	54	102	(59-140)
1,1-Dichloroethene	53	0	52	98	(54-143)
Acetone	263	0	250	95	(31-158)
Carbon Disulfide	53	0	55	104	(42-144)
Methyl tert-butyl Ether	53	0	52	98	(56-146)
Methyl Acetate	53	0	37	70	(16-205)
Methylene Chloride	53	0	52	98	(51-144)
trans-1,2-Dichloroethene	53	0	53	100	(60-135)
1,1-Dichloroethane	53	0	52	98	(62-143)
Cyclohexane	53	0	50	94	(51-136)
2-Butanone	263	0	250	95	(40-157)
Carbon Tetrachloride	53	0	51	96	(63-135)
cis-1,2-Dichloroethene	53	0	52	98	(62-133)
Chloroform	53	0	50	94	(66-138)
1,1,1-Trichloroethane	53	0	52	98	(64-139)
Methylcyclohexane	53	0	46	87	(43-133)
Benzene	53	0	49	92	(68-128)
1,2-Dichloroethane	53	0	50	94	(64-139)
Trichloroethene	53	0	50	94	(49-150)
1,2-Dichloropropane	53	0	51	96	(68-131)
Bromodichloromethane	53	0	51	96	(69-132)
4-Methyl-2-Pentanone	263	0	250	95	(53-150)
Toluene	53	0	49	92	(67-127)
t-1,3-Dichloropropene	53	0	51	96	(63-129)
cis-1,3-Dichloropropene	53	0	50	94	(66-126)
1,1,2-Trichloroethane	53	0	50	94	(67-132)
2-Hexanone	263	0	230	87	(44-170)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : B1561-09

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dibromochloromethane	53	0	51	96	(65-131)
1,2-Dibromoethane	53	0	51	96	(63-129)
Tetrachloroethene	53	0	48	91	(33-170)
Chlorobenzene	53	0	52	98	(71-126)
Ethyl Benzene	53	0	51	96	(65-134)
m/p-Xylenes	105	0	100	95	(65-131)
o-Xylene	53	0	50	94	(62-134)
Styrene	53	0	51	96	(60-131)
Bromoform	53	0	53	100	(62-140)
Isopropylbenzene	53	0	51	96	(51-159)
1,1,2,2-Tetrachloroethane	53	0	52	98	(33-184)
1,3-Dichlorobenzene	53	0	50	94	(70-125)
1,4-Dichlorobenzene	53	0	47	89	(69-124)
1,2-Dichlorobenzene	53	0	51	96	(67-128)
1,2-Dibromo-3-Chloropropane	53	0	54	102	(44-163)
1,2,4-Trichlorobenzene	53	0	48	91	(53-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : B1561-10

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dichlorodifluoromethane	53	64	121	2	20	(42-151)
Chloromethane	53	62	117	5	20	(43-150)
Vinyl Chloride	53	59	111	7	20	(48-144)
Bromomethane	53	61	115	8	20	(40-154)
Chloroethane	53	60	113	5	20	(39-165)
Trichlorofluoromethane	53	57	108	6	20	(46-159)
1,1,2-Trichlorotrifluoroethane	53	56	106	4	20	(59-140)
1,1-Dichloroethene	53	57	108	10	20	(54-143)
Acetone	263	270	103	8	20	(31-158)
Carbon Disulfide	53	59	111	7	20	(42-144)
Methyl tert-butyl Ether	53	56	106	8	20	(56-146)
Methyl Acetate	53	41	77	10	20	(16-205)
Methylene Chloride	53	56	106	8	20	(51-144)
trans-1,2-Dichloroethene	53	58	109	9	20	(60-135)
1,1-Dichloroethane	53	56	106	8	20	(62-143)
Cyclohexane	53	52	98	4	20	(51-136)
2-Butanone	263	260	99	4	20	(40-157)
Carbon Tetrachloride	53	53	100	4	20	(63-135)
cis-1,2-Dichloroethene	53	55	104	6	20	(62-133)
Chloroform	53	55	104	10	20	(66-138)
1,1,1-Trichloroethane	53	56	106	8	20	(64-139)
Methylcyclohexane	53	47	89	2	20	(43-133)
Benzene	53	52	98	6	20	(68-128)
1,2-Dichloroethane	53	54	102	8	20	(64-139)
Trichloroethene	53	52	98	4	20	(49-150)
1,2-Dichloropropane	53	56	106	10	20	(68-131)
Bromodichloromethane	53	54	102	6	20	(69-132)
4-Methyl-2-Pentanone	263	260	99	4	20	(53-150)
Toluene	53	53	100	8	20	(67-127)
t-1,3-Dichloropropene	53	53	100	4	20	(63-129)
cis-1,3-Dichloropropene	53	53	100	6	20	(66-126)
1,1,2-Trichloroethane	53	53	100	6	20	(67-132)
2-Hexanone	263	240	91	4	20	(44-170)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 82 outside limits

Spike Recovery : 0 Out of 164 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1561 **SAS No :** B1561 **SDG No:** B1561
Matrix Spike - EPA Sample No : B1561-10

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dibromochloromethane	53	54	102	6	20	(65-131)
1,2-Dibromoethane	53	54	102	6	20	(63-129)
Tetrachloroethene	53	50	94	3	20	(33-170)
Chlorobenzene	53	54	102	4	20	(71-126)
Ethyl Benzene	53	54	102	6	20	(65-134)
m/p-Xylenes	105	110	105	10	20	(65-131)
o-Xylene	53	53	100	6	20	(62-134)
Styrene	53	53	100	4	20	(60-131)
Bromoform	53	56	106	6	20	(62-140)
Isopropylbenzene	53	54	102	6	20	(51-159)
1,1,2,2-Tetrachloroethane	53	56	106	8	20	(33-184)
1,3-Dichlorobenzene	53	52	98	4	20	(70-125)
1,4-Dichlorobenzene	53	51	96	8	20	(69-124)
1,2-Dichlorobenzene	53	54	102	6	20	(67-128)
1,2-Dibromo-3-Chloropropane	53	57	108	6	20	(44-163)
1,2,4-Trichlorobenzene	53	49	92	1	20	(53-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 82 outside limits

Spike Recovery : 0 Out of 164 outside limits

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : BSE0310W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		18	90	(35-124)
Chloromethane	20		21	105	(37-148)
Vinyl Chloride	20		21	105	(45-144)
Bromomethane	20		22	110	(44-146)
Chloroethane	20		19	95	(46-148)
Trichlorofluoromethane	20		21	105	(56-137)
1,1,2-Trichlorotrifluoroethane	20		20	100	(52-142)
1,1-Dichloroethene	20		20	100	(57-135)
Acetone	100		130	130	(50-149)
Carbon Disulfide	20		21	105	(36-155)
Methyl tert-butyl Ether	20		20	100	(60-144)
Methyl Acetate	20		19	95	(51-158)
Methylene Chloride	20		21	105	(61-138)
trans-1,2-Dichloroethene	20		20	100	(59-137)
1,1-Dichloroethane	20		21	105	(64-142)
Cyclohexane	20		21	105	(56-141)
2-Butanone	100		120	120	(56-152)
Carbon Tetrachloride	20		21	105	(59-138)
cis-1,2-Dichloroethene	20		21	105	(64-137)
Chloroform	20		21	105	(67-138)
1,1,1-Trichloroethane	20		21	105	(65-132)
Methylcyclohexane	20		20	100	(56-137)
Benzene	20		22	110	(66-135)
1,2-Dichloroethane	20		21	105	(65-137)
Trichloroethene	20		20	100	(65-134)
1,2-Dichloropropane	20		21	105	(68-137)
Bromodichloromethane	20		21	105	(67-134)
4-Methyl-2-Pentanone	100		110	110	(63-146)
Toluene	20		21	105	(67-133)
t-1,3-Dichloropropene	20		21	105	(66-135)
cis-1,3-Dichloropropene	20		21	105	(66-132)
1,1,2-Trichloroethane	20		22	110	(67-136)
2-Hexanone	100		120	120	(56-153)
Dibromochloromethane	20		21	105	(64-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 74 outside limits

Comments: _____



3B

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561Matrix Spike - EPA Sample No : BSE0310W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		21	105	(66-137)
Tetrachloroethene	20		19	95	(37-178)
Chlorobenzene	20		21	105	(67-133)
Ethyl Benzene	20		22	110	(66-133)
m/p-Xylenes	40		41	103	(65-134)
o-Xylene	20		22	110	(65-134)
Styrene	20		22	110	(65-136)
Bromoform	20		20	100	(56-157)
Isopropylbenzene	20		21	105	(66-133)
1,1,2,2-Tetrachloroethane	20		21	105	(63-136)
1,3-Dichlorobenzene	20		20	100	(66-131)
1,4-Dichlorobenzene	20		20	100	(65-131)
1,2-Dichlorobenzene	20		20	100	(66-132)
1,2-Dibromo-3-Chloropropane	20		20	100	(54-141)
1,2,4-Trichlorobenzene	20		18	90	(61-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 74 outside limits

Comments: _____

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : BSE0310W2

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
Dichlorodifluoromethane	20	18	90	0	20	(35-124)
Chloromethane	20	21	105	0	20	(37-148)
Vinyl Chloride	20	20	100	5	20	(45-144)
Bromomethane	20	20	100	10	20	(44-146)
Chloroethane	20	19	95	0	20	(46-148)
Trichlorofluoromethane	20	21	105	0	20	(56-137)
1,1,2-Trichlorotrifluoroethane	20	20	100	0	20	(52-142)
1,1-Dichloroethene	20	20	100	0	20	(57-135)
Acetone	100	130	130	0	20	(50-149)
Carbon Disulfide	20	20	100	5	20	(36-155)
Methyl tert-butyl Ether	20	20	100	0	20	(60-144)
Methyl Acetate	20	20	100	5	20	(51-158)
Methylene Chloride	20	9.5	48*	75*	20	(61-138)
trans-1,2-Dichloroethene	20	20	100	0	20	(59-137)
1,1-Dichloroethane	20	21	105	0	20	(64-142)
Cyclohexane	20	21	105	0	20	(56-141)
2-Butanone	100	120	120	0	20	(56-152)
Carbon Tetrachloride	20	20	100	5	20	(59-138)
cis-1,2-Dichloroethene	20	21	105	0	20	(64-137)
Chloroform	20	21	105	0	20	(67-138)
1,1,1-Trichloroethane	20	20	100	5	20	(65-132)
Methylcyclohexane	20	20	100	0	20	(56-137)
Benzene	20	21	105	5	20	(66-135)
1,2-Dichloroethane	20	21	105	0	20	(65-137)
Trichloroethene	20	20	100	0	20	(65-134)
1,2-Dichloropropane	20	21	105	0	20	(68-137)
Bromodichloromethane	20	21	105	0	20	(67-134)
4-Methyl-2-Pentanone	100	110	110	0	20	(63-146)
Toluene	20	21	105	0	20	(67-133)
t-1,3-Dichloropropene	20	20	100	5	20	(66-135)
cis-1,3-Dichloropropene	20	21	105	0	20	(66-132)
1,1,2-Trichloroethane	20	21	105	5	20	(67-136)
2-Hexanone	100	120	120	0	20	(56-153)
Dibromochloromethane	20	20	100	5	20	(64-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 74 outside limits

Spike Recovery : 1 Out of 74 outside limits

Comments: _____



3B

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561Matrix Spike - EPA Sample No : BSE0310W2

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
1,2-Dibromoethane	20	21	105	0	20	(66-137)
Tetrachloroethene	20	20	100	5	20	(37-178)
Chlorobenzene	20	21	105	0	20	(67-133)
Ethyl Benzene	20	22	110	0	20	(66-133)
m/p-Xylenes	40	41	103	0	20	(65-134)
o-Xylene	20	21	105	5	20	(65-134)
Styrene	20	22	110	0	20	(65-136)
Bromoform	20	20	100	0	20	(56-157)
Isopropylbenzene	20	20	100	5	20	(66-133)
1,1,2,2-Tetrachloroethane	20	20	100	5	20	(63-136)
1,3-Dichlorobenzene	20	19	95	5	20	(66-131)
1,4-Dichlorobenzene	20	20	100	0	20	(65-131)
1,2-Dichlorobenzene	20	20	100	0	20	(66-132)
1,2-Dibromo-3-Chloropropane	20	19	95	5	20	(54-141)
1,2,4-Trichlorobenzene	20	18	90	0	20	(61-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 74 outside limits

Spike Recovery : 1 Out of 74 outside limits

Comments: _____

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : BSK0310S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		15	75	(47-148)
Chloromethane	20		17	85	(56-145)
Vinyl Chloride	20		19	95	(60-138)
Bromomethane	20		21	105	(45-158)
Chloroethane	20		23	115	(42-161)
Trichlorofluoromethane	20		23	115	(55-146)
1,1,2-Trichlorotrifluoroethane	20		22	110	(65-134)
1,1-Dichloroethene	20		20	100	(65-136)
Acetone	100		79	79	(57-148)
Carbon Disulfide	20		20	100	(60-138)
Methyl tert-butyl Ether	20		19	95	(70-131)
Methyl Acetate	20		18	90	(44-187)
Methylene Chloride	20		19	95	(63-141)
trans-1,2-Dichloroethene	20		20	100	(73-130)
1,1-Dichloroethane	20		21	105	(74-133)
Cyclohexane	20		20	100	(66-132)
2-Butanone	100		88	88	(52-153)
Carbon Tetrachloride	20		22	110	(74-122)
cis-1,2-Dichloroethene	20		20	100	(75-129)
Chloroform	20		20	100	(75-135)
1,1,1-Trichloroethane	20		21	105	(75-128)
Methylcyclohexane	20		22	110	(71-124)
Benzene	20		20	100	(79-122)
1,2-Dichloroethane	20		20	100	(75-132)
Trichloroethene	20		22	110	(77-120)
1,2-Dichloropropane	20		21	105	(76-127)
Bromodichloromethane	20		20	100	(77-124)
4-Methyl-2-Pentanone	100		95	95	(70-141)
Toluene	20		21	105	(78-121)
t-1,3-Dichloropropene	20		19	95	(76-127)
cis-1,3-Dichloropropene	20		20	100	(79-122)
1,1,2-Trichloroethane	20		19	95	(76-127)
2-Hexanone	100		94	94	(55-154)
Dibromochloromethane	20		20	100	(73-126)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



3A

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561Matrix Spike - EPA Sample No : BSK0310S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		19	95	(76-127)
Tetrachloroethene	20		22	110	(61-145)
Chlorobenzene	20		21	105	(79-120)
Ethyl Benzene	20		22	110	(77-120)
m/p-Xylenes	40		45	113	(78-120)
o-Xylene	20		21	105	(78-119)
Styrene	20		21	105	(80-119)
Bromoform	20		20	100	(71-125)
Isopropylbenzene	20		23	115	(77-124)
1,1,2,2-Tetrachloroethane	20		20	100	(77-130)
1,3-Dichlorobenzene	20		21	105	(82-121)
1,4-Dichlorobenzene	20		21	105	(82-118)
1,2-Dichlorobenzene	20		21	105	(81-122)
1,2-Dibromo-3-Chloropropane	20		21	105	(66-132)
1,2,4-Trichlorobenzene	20		22	110	(71-124)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : BSK0311S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		12	60	(47-148)
Chloromethane	20		16	80	(56-145)
Vinyl Chloride	20		16	80	(60-138)
Bromomethane	20		19	95	(45-158)
Chloroethane	20		20	100	(42-161)
Trichlorofluoromethane	20		17	85	(55-146)
1,1,2-Trichlorotrifluoroethane	20		18	90	(65-134)
1,1-Dichloroethene	20		19	95	(65-136)
Acetone	100		96	96	(57-148)
Carbon Disulfide	20		19	95	(60-138)
Methyl tert-butyl Ether	20		21	105	(70-131)
Methyl Acetate	20		14	70	(44-187)
Methylene Chloride	20		21	105	(63-141)
trans-1,2-Dichloroethene	20		20	100	(73-130)
1,1-Dichloroethane	20		19	95	(74-133)
Cyclohexane	20		17	85	(66-132)
2-Butanone	100		96	96	(52-153)
Carbon Tetrachloride	20		17	85	(74-122)
cis-1,2-Dichloroethene	20		20	100	(75-129)
Chloroform	20		19	95	(75-135)
1,1,1-Trichloroethane	20		18	90	(75-128)
Methylcyclohexane	20		18	90	(71-124)
Benzene	20		19	95	(79-122)
1,2-Dichloroethane	20		20	100	(75-132)
Trichloroethene	20		18	90	(77-120)
1,2-Dichloropropane	20		20	100	(76-127)
Bromodichloromethane	20		19	95	(77-124)
4-Methyl-2-Pentanone	100		99	99	(70-141)
Toluene	20		18	90	(78-121)
t-1,3-Dichloropropene	20		20	100	(76-127)
cis-1,3-Dichloropropene	20		19	95	(79-122)
1,1,2-Trichloroethane	20		20	100	(76-127)
2-Hexanone	100		93	93	(55-154)
Dibromochloromethane	20		19	95	(73-126)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



3A

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561Matrix Spike - EPA Sample No : BSK0311S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		20	100	(76-127)
Tetrachloroethene	20		18	90	(61-145)
Chlorobenzene	20		20	100	(79-120)
Ethyl Benzene	20		19	95	(77-120)
m/p-Xylenes	40		38	95	(78-120)
o-Xylene	20		19	95	(78-119)
Styrene	20		20	100	(80-119)
Bromoform	20		19	95	(71-125)
Isopropylbenzene	20		19	95	(77-124)
1,1,2,2-Tetrachloroethane	20		20	100	(77-130)
1,3-Dichlorobenzene	20		19	95	(82-121)
1,4-Dichlorobenzene	20		19	95	(82-118)
1,2-Dichlorobenzene	20		20	100	(81-122)
1,2-Dibromo-3-Chloropropane	20		19	95	(66-132)
1,2,4-Trichlorobenzene	20		20	100	(71-124)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBE0310W2

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1561SAS No.: B1561 SDG NO.: B1561Lab File ID: VE017374.DLab Sample ID: VBE0310W2Date Analyzed: 03/10/2010Time Analyzed: 12:13GC Column: ZB-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAE

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSE0310W1	BSE0310W1	VE017375.D	03/10/2010
BSE0310W2	BSE0310W2	VE017376.D	03/10/2010
TRIPBLANK	B1561-15	VE017379.D	03/10/2010
FIELDBLANK (3-9-10)	B1561-14	VE017380.D	03/10/2010

COMMENTS: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0310S1

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1561SAS No.: B1561 SDG NO.: B1561Lab File ID: VK037989.DLab Sample ID: VBK0310S1Date Analyzed: 03/10/2010Time Analyzed: 10:51GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOAK

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0310S1	BSK0310S1	VK037990.D	03/10/2010
SB-1 (18-20)	B1561-01	VK038005.D	03/10/2010
SB-2 (18-20)	B1561-02	VK038006.D	03/10/2010
SB-3 (18-20)	B1561-03	VK038007.D	03/10/2010
SB-4 (18-20)	B1561-04	VK038008.D	03/10/2010
SB-5 (14-16)	B1561-05	VK038009.D	03/10/2010
SB-5 (18-20)	B1561-06	VK038010.D	03/10/2010
SB-6 (14-16)	B1561-07	VK038011.D	03/10/2010
SB-7 (14-16)	B1561-11	VK038012.D	03/10/2010

COMMENTS: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0311S1

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1561SAS No.: B1561 SDG NO.: B1561Lab File ID: VK038031.DLab Sample ID: VBK0311S1Date Analyzed: 03/11/2010Time Analyzed: 19:26GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOAK

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0311S1	BSK0311S1	VK038033.D	03/11/2010
SB-6 (18-20)	B1561-08	VK038035.D	03/11/2010
SB-6 (18-20)MS	B1561-09MS	VK038036.D	03/11/2010
SB-6 (18-20)MSD	B1561-10MSD	VK038037.D	03/11/2010
SB-7 (18-20)	B1561-12	VK038038.D	03/11/2010
DUP-02	B1561-13	VK038039.D	03/11/2010

COMMENTS: _____



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0311S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: VBK0311S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK038031.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/11/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0311S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: VBK0311S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK038031.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/11/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0310S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: VBK0310S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK037989.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0310S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: VBK0310S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK037989.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/10/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0310W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): WATER Lab Sample ID: VBE0310W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017374.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
1634-04-4	Methyl tert-butyl Ether	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
110-82-7	Cyclohexane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
108-87-2	Methylcyclohexane	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0310W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): WATER Lab Sample ID: VBE0310W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VE017374.DLevel: (low/med) Date Received: % Moisture: not dec. 100 Date Analyzed: 03/10/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethyl Benzene	5	U
179601-23-1	m/p-Xylenes	10	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG NO.: B1561
Lab File ID: VE017372.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAE Time Analyzed: 10:50
GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	2802605	9.39	3994991	10.47	3628056	14.86
UPPER LIMIT	5605210	9.89	7989982	10.97	7256112	15.36
LOWER LIMIT	1401303	8.89	1997496	9.97	1814028	14.36
EPA SAMPLE NO.						
FIELD BLANK (3-9-10)	2415638	9.40	3676751	10.49	3402345	14.87
TRIP BLANK	2432810	9.40	3612471	10.49	3378160	14.89
BSE0310W1	2489516	9.41	3655869	10.49	3411428	14.89
BSE0310W2	2435244	9.40	3571230	10.48	3299874	14.87
VBE0310W2	2692196	9.40	3895458	10.48	3579791	14.88

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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG NO.: B1561
Lab File ID: VE017372.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAE Time Analyzed: 10:50
GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	2161472	18.66				
UPPER LIMIT	4322944	19.16				
LOWER LIMIT	1080736	18.16				
EPA SAMPLE NO.						
FIELDBLANK (3-9-10)	1806585	18.68				
TRIPBLANK	1833848	18.68				
BSE0310W1	1978405	18.69				
BSE0310W2	1954137	18.68				
VBE0310W2	1968284	18.67				

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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG NO.: B1561
Lab File ID: VK037988.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAK Time Analyzed: 10:06
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	589064	3.19	965891	3.57	1104395	6.26
UPPER LIMIT	1178128	3.69	1931782	4.07	2208790	6.76
LOWER LIMIT	294532	2.69	482945.5	3.07	552197.5	5.76
EPA SAMPLE NO.						
SB-1(18-20)	592724	3.19	911187	3.57	1063027	6.26
SB-2(18-20)	556212	3.18	869755	3.57	1007063	6.26
SB-3(18-20)	586237	3.19	918782	3.57	1051082	6.26
SB-4(18-20)	570345	3.18	913780	3.57	1058521	6.26
SB-5(14-16)	590801	3.19	910875	3.57	1053273	6.26
SB-5(18-20)	584246	3.19	894962	3.56	1046755	6.26
SB-6(14-16)	581827	3.18	905563	3.57	1030908	6.26
SB-7(14-16)	578100	3.19	890120	3.57	1020881	6.26
BSK0310S1	604407	3.19	958218	3.56	1102212	6.26
VBK0310S1	630310	3.19	963482	3.57	1077306	6.26

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG NO.: B1561
Lab File ID: VK037988.D Date Analyzed: 03/10/2010
Instrument ID: MSVOAK Time Analyzed: 10:06
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	636409	8.59				
UPPER LIMIT	1272818	9.09				
LOWER LIMIT	318204.5	8.09				
EPA SAMPLE NO.						
SB-1(18-20)	588382	8.59				
SB-2(18-20)	571143	8.59				
SB-3(18-20)	591446	8.59				
SB-4(18-20)	592286	8.59				
SB-5(14-16)	593961	8.59				
SB-5(18-20)	582432	8.59				
SB-6(14-16)	579604	8.59				
SB-7(14-16)	592567	8.59				
BSK0310S1	620529	8.59				
VBK0310S1	611211	8.59				

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG NO.: B1561
Lab File ID: VK038024.D Date Analyzed: 03/11/2010
Instrument ID: MSVOAK Time Analyzed: 16:20
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	402620	3.19	621802	3.57	725588	6.26
UPPER LIMIT	805240	3.69	1243604	4.07	1451176	6.76
LOWER LIMIT	201310	2.69	310901	3.07	362794	5.76
EPA SAMPLE NO.						
SB-6(18-20)	413252	3.19	644709	3.57	723526	6.26
SB-6(18-20)MS	393360	3.18	625102	3.56	700550	6.26
SB-6(18-20)MSD	383001	3.19	618626	3.56	694347	6.26
SB-7(18-20)	411625	3.18	664689	3.57	731388	6.26
DUP-02	413218	3.18	647046	3.57	728351	6.26
BSK0311S1	363891	3.18	586640	3.57	679293	6.26
VBK0311S1	368622	3.18	590188	3.57	668349	6.26

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG NO.: B1561
Lab File ID: VK038024.D Date Analyzed: 03/11/2010
Instrument ID: MSVOAK Time Analyzed: 16:20
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	425690	8.59				
UPPER LIMIT	851380	9.09				
LOWER LIMIT	212845	8.09				
EPA SAMPLE NO.						
SB-6(18-20)	424838	8.59				
SB-6(18-20)MS	409332	8.59				
SB-6(18-20)MSD	399414	8.59				
SB-7(18-20)	433735	8.59				
DUP-02	430840	8.59				
BSK0311S1	402884	8.59				
VBK0311S1	397131	8.59				

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 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.



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-01

Sample wt/vol: 30.07 (g/mL) g Lab File ID: BE062565.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	350		U
108-95-2	Phenol	350		U
111-44-4	bis(2-Chloroethyl)ether	350		U
95-57-8	2-Chlorophenol	350		U
95-48-7	2-Methylphenol	350		U
108-60-1	2,2-oxybis(1-Chloropropane)	350		U
98-86-2	Acetophenone	350		U
65794-96-9	3+4-Methylphenols	350		U
621-64-7	N-Nitroso-di-n-propylamine	350		U
67-72-1	Hexachloroethane	350		U
98-95-3	Nitrobenzene	350		U
78-59-1	Isophorone	350		U
88-75-5	2-Nitrophenol	350		U
105-67-9	2,4-Dimethylphenol	350		U
111-91-1	bis(2-Chloroethoxy)methane	350		U
120-83-2	2,4-Dichlorophenol	350		U
91-20-3	Naphthalene	350		U
106-47-8	4-Chloroaniline	350		U
87-68-3	Hexachlorobutadiene	350		U
105-60-2	Caprolactam	350		U
59-50-7	4-Chloro-3-methylphenol	350		U
91-57-6	2-Methylnaphthalene	350		U
77-47-4	Hexachlorocyclopentadiene	350		U
88-06-2	2,4,6-Trichlorophenol	350		U
95-95-4	2,4,5-Trichlorophenol	350		U
92-52-4	1,1-Biphenyl	350		U
91-58-7	2-Chloronaphthalene	350		U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-01Sample wt/vol: 30.07 (g/mL) g Lab File ID: BE062565.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
88-74-4	2-Nitroaniline	350	U
131-11-3	Dimethylphthalate	160	JB
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	350	U
100-02-7	4-Nitrophenol	350	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	350	U
86-30-6	N-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	350	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-01Sample wt/vol: 30.07 (g/mL) g Lab File ID: BE062565.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octyl phthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-1(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-01

Sample wt/vol: 30.07 (g/mL) g Lab File ID: BE062565.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.96	110	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	1100	AB
58-08-2	Caffeine	9.74	120	JB
301-02-0	9-Octadecenamide, (Z)-	12.06	290	J
297-24-5	Cyclooctacosane	12.58	110	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-02

Sample wt/vol: 30.08 (g/mL) g Lab File ID: BE062561.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 4 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	340	U
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2-oxybis(1-Chloropropane)	340	U
98-86-2	Acetophenone	340	U
65794-96-9	3+4-Methylphenols	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
92-52-4	1,1-Biphenyl	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	340	U
131-11-3	Dimethylphthalate	140	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-02

Sample wt/vol: 30.08 (g/mL) g Lab File ID: BE062561.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 4 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	340	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	340	U
100-02-7	4-Nitrophenol	340	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	340	U
534-52-1	4,6-Dinitro-2-methylphenol	340	U
86-30-6	N-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	340	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-02Sample wt/vol: 30.08 (g/mL) g Lab File ID: BE062561.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: 4 Decanted: (Y/N) N Date Extracted: 03/11/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenz(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-2(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-02

Sample wt/vol: 30.08 (g/mL) g Lab File ID: BE062561.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 4 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.96	120	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	1200	AB
7659-86-1	2-Ethylhexyl mercaptoacetate	7.43	320	J
58-08-2	Caffeine	9.74	130	JB
638-58-4	Tetradecanamide	12.06	960	J
1000155-85-3	Cyclohexadecane, 1,2-diethyl-	12.58	130	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-3(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-03

Sample wt/vol: 30.11 (g/mL) g Lab File ID: BE062562.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 3 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	340	U
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2-oxybis(1-Chloropropane)	340	U
98-86-2	Acetophenone	340	U
65794-96-9	3+4-Methylphenols	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
92-52-4	1,1-Biphenyl	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	340	U
131-11-3	Dimethylphthalate	140	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-3(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-03

Sample wt/vol: 30.11 (g/mL) g Lab File ID: BE062562.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 3 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	340	U
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	340	U
100-02-7	4-Nitrophenol	340	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	340	U
534-52-1	4,6-Dinitro-2-methylphenol	340	U
86-30-6	N-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	340	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-3(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-03Sample wt/vol: 30.11 (g/mL) g Lab File ID: BE062562.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: 3 Decanted: (Y/N) N Date Extracted: 03/11/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenz(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-3(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-03

Sample wt/vol: 30.11 (g/mL) g Lab File ID: BE062562.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 3 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/11/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.96	120	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	1200	AB
58-08-2	Caffeine	9.75	110	JB
57-10-3	n-Hexadecanoic acid	10.19	71	J
55124-77-1	Cyclohexane, (1-octylnonyl)-	12.59	100	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-04

Sample wt/vol: 30.06 (g/mL) g Lab File ID: BE062583.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
65794-96-9	3+4-Methylphenols	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	350	U
92-52-4	1,1-Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	56	J
131-11-3	Dimethylphthalate	150	JB

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-04

Sample wt/vol: 30.06 (g/mL) g Lab File ID: BE062583.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	350	U
100-02-7	4-Nitrophenol	350	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	350	U
86-30-6	N-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	350	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-04Sample wt/vol: 30.06 (g/mL) g Lab File ID: BE062583.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-04

Sample wt/vol: 30.06 (g/mL) g Lab File ID: BE062583.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 8

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.96	120	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	1300	AB
131-91-9	2-Naphthalenol, 1-nitroso-	8.83	98	J
110-36-1	n-Butyl myristate	11.26	76	J
593-50-0	1-Triacontanol	12.59	180	J
	unknown13.40	13.4	120	J
4602-84-0	2,6,10-Dodecatrien-1-ol, 3,7,11-tr	13.93	120	J
	unknown16.24	16.24	75	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-02

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-13

Sample wt/vol: 30.09 (g/mL) g Lab File ID: BE062584.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
65794-96-9	3+4-Methylphenols	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	360	U
92-52-4	1,1-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	51	J
131-11-3	Dimethylphthalate	190	JB

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-02

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-13Sample wt/vol: 30.09 (g/mL) g Lab File ID: BE062584.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/11/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	360	U
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	360	U
100-02-7	4-Nitrophenol	360	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	360	U
534-52-1	4,6-Dinitro-2-methylphenol	360	U
86-30-6	N-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	360	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	360	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-02

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): SOIL Lab Sample ID: B1561-13Sample wt/vol: 30.09 (g/mL) g Lab File ID: BE062584.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/11/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH
Concentration Units:CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

Comments: _____



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP-02

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-13

Sample wt/vol: 30.09 (g/mL) g Lab File ID: BE062584.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 7

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.96	120	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	1300	AB
557-61-9	Octacosanol	12.59	170	J
	unknown13.17	13.17	120	J
	unknown13.40	13.4	99	J
7683-64-9	Squalene	13.93	100	J
	unknown16.23	16.23	80	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): WATER Lab Sample ID: B1561-14

Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062564.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK(3-9-10)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): WATER Lab Sample ID: B1561-14Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062564.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/11/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/L</u>	Q
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK(3-9-10)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561Matrix (soil/water): WATER Lab Sample ID: B1561-14Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062564.DLevel: (low/med) LOW Date Received: 03/10/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/11/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK(3-9-10)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): WATER Lab Sample ID: B1561-14

Sample wt/vol: 970 (g/mL) ml Lab File ID: BE062564.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Concentration Units: ug/L

Number TICS found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.95	7.5	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.42	10	AB

Hit Summary Sheet

SW-846

SDG No.: B1561

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
Client ID : DUP-02									
B1561-13	DUP-02	SOIL	2-Nitroaniline		51.000	J	360	16	ug/Kg
B1561-13	DUP-02	SOIL	Dimethylphthalate		190.000	JB	360	9.8	ug/Kg
Total Svoc :						241.00			
B1561-13	DUP-02	SOIL	Octacosanol	*	170.000	J	0	0	ug/Kg
B1561-13	DUP-02	SOIL	Squalene	*	100.000	J	0	0	ug/Kg
B1561-13	DUP-02	SOIL	unknown13.17	*	120.000	J	0	0	ug/Kg
B1561-13	DUP-02	SOIL	unknown13.40	*	99.000	J	0	0	ug/Kg
B1561-13	DUP-02	SOIL	unknown16.23	*	80.000	J	0	0	ug/Kg
B1561-13	DUP-02	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	1,300.000	AB	0	0	ug/Kg
B1561-13	DUP-02	SOIL	Butane, 2-methoxy-2-methyl-	*	120.000	JB	0	0	ug/Kg
Total Tics :						1,989.00			
Total Concentration:						2,230.00			
Client ID : FIELDBLANK(3-9-10)									
B1561-14	FIELDBLANK(3-9-10)	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	10.000	AB	0	0	ug/L
B1561-14	FIELDBLANK(3-9-10)	WATER	Butane, 2-methoxy-2-methyl-	*	7.500	JB	0	0	ug/L
Total Tics :						17.50			
Total Concentration:						17.50			
Client ID : SB-1(18-20)									
B1561-01	SB-1(18-20)	SOIL	Dimethylphthalate		160.000	JB	350	9.5	ug/Kg
Total Svoc :						160.00			
B1561-01	SB-1(18-20)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	1,100.000	AB	0	0	ug/Kg
B1561-01	SB-1(18-20)	SOIL	9-Octadecenamide, (Z)-	*	290.000	J	0	0	ug/Kg
B1561-01	SB-1(18-20)	SOIL	Butane, 2-methoxy-2-methyl-	*	110.000	JB	0	0	ug/Kg
B1561-01	SB-1(18-20)	SOIL	Caffeine	*	120.000	JB	0	0	ug/Kg
B1561-01	SB-1(18-20)	SOIL	Cyclooctacosane	*	110.000	J	0	0	ug/Kg
Total Tics :						1,730.00			
Total Concentration:						1,890.00			
Client ID : SB-2(18-20)									
B1561-02	SB-2(18-20)	SOIL	Dimethylphthalate		140.000	JB	340	9.4	ug/Kg
Total Svoc :						140.00			
B1561-02	SB-2(18-20)	SOIL	Tetradecanamide	*	960.000	J	0	0	ug/Kg
B1561-02	SB-2(18-20)	SOIL	2-Ethylhexyl mercaptoacetate	*	320.000	J	0	0	ug/Kg
B1561-02	SB-2(18-20)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	1,200.000	AB	0	0	ug/Kg
B1561-02	SB-2(18-20)	SOIL	Butane, 2-methoxy-2-methyl-	*	120.000	JB	0	0	ug/Kg
B1561-02	SB-2(18-20)	SOIL	Caffeine	*	130.000	JB	0	0	ug/Kg
B1561-02	SB-2(18-20)	SOIL	Cyclohexadecane, 1,2-diethyl-	*	130.000	J	0	0	ug/Kg
Total Tics :						2,860.00			
Total Concentration:						3,000.00			

Hit Summary Sheet

SW-846

SDG No.: B1561

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID : SB-3(18-20)								
B1561-03	SB-3(18-20)	SOIL	Dimethylphthalate	140.000	JB	340	9.2	ug/Kg
Total Svoc :					140.00			
B1561-03	SB-3(18-20)	SOIL	n-Hexadecanoic acid	* 71.000	J	0	0	ug/Kg
B1561-03	SB-3(18-20)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	* 1,200.000	AB	0	0	ug/Kg
B1561-03	SB-3(18-20)	SOIL	Butane, 2-methoxy-2-methyl-	* 120.000	JB	0	0	ug/Kg
B1561-03	SB-3(18-20)	SOIL	Caffeine	* 110.000	JB	0	0	ug/Kg
B1561-03	SB-3(18-20)	SOIL	Cyclohexane, (1-octylnonyl)-	* 100.000	J	0	0	ug/Kg
Total Tics :					1,601.00			
Total Concentration:					1,741.00			
Client ID : SB-4(18-20)								
B1561-04	SB-4(18-20)	SOIL	2-Nitroaniline	56.000	J	350	16	ug/Kg
B1561-04	SB-4(18-20)	SOIL	Dimethylphthalate	150.000	JB	350	9.5	ug/Kg
Total Svoc :					206.00			
B1561-04	SB-4(18-20)	SOIL	n-Butyl myristate	* 76.000	J	0	0	ug/Kg
B1561-04	SB-4(18-20)	SOIL	unknown13.40	* 120.000	J	0	0	ug/Kg
B1561-04	SB-4(18-20)	SOIL	unknown16.24	* 75.000	J	0	0	ug/Kg
B1561-04	SB-4(18-20)	SOIL	1-Triacontanol	* 180.000	J	0	0	ug/Kg
B1561-04	SB-4(18-20)	SOIL	2,6,10-Dodecatrien-1-ol, 3,7,11-tr	* 120.000	J	0	0	ug/Kg
B1561-04	SB-4(18-20)	SOIL	2-Naphthalenol, 1-nitroso-	* 98.000	J	0	0	ug/Kg
B1561-04	SB-4(18-20)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	* 1,300.000	AB	0	0	ug/Kg
B1561-04	SB-4(18-20)	SOIL	Butane, 2-methoxy-2-methyl-	* 120.000	JB	0	0	ug/Kg
Total Tics :					2,089.00			
Total Concentration:					2,295.00			



-2D-

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Chemtech Contract: PWGR01
Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561
Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 () #	S8 () #	TOT OUT
01	PB48202B	94	91	96	91	116	109			0
02	PB48202BS	94	91	97	91	112	95			0
03	SB-2(18-20)	100	94	104	96	116	109			0
04	SB-3(18-20)	94	90	96	92	114	102			0
06	SB-1(18-20)	91	86	90	87	104	100			0
07	SB-1(18-20)MS	93	90	96	93	112	94			0
08	SB-1(18-20)MSD	97	94	101	92	118	99			0
09	SB-4(18-20)	99	94	102	96	120	104			0
10	DUP-02	94	90	101	93	116	100			0

QC LIMITS

S1 (2FP) = 2-Fluorophenol	(26-141)
S2 (PHL) = Phenol-d5	(28-142)
S3 (NBZ) = Nitrobenzene-d5	(30-150)
S4 (FBP) = 2-Fluorobiphenyl	(19-182)
S5 (TBP) = 2,4,6-Tribromophenol	(29-150)
S6 (TPH) = Terphenyl-d14	(24-191)
S7 () =	
S8 () =	

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out



-2C-

WATER SEMIVOLATILE SURROGATE RECOVER

Lab Name: Chemtech

Contract: PWGR01

Lab Code: CHEM Case No.: B1561

SAS No.: B1561 SDG No.: B1561

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 () #	S8 () #	TOT OUT
01	PB48201B	40	23	106	95	132	108			0
02	PB48201BS	46	27	111	101	134	103			0
14	FIELD BLANK(3-9-10)	42	24	108	99	129	102			0
23	MW-103SMS	59	40	109	100	115	73			0
24	MW-103SMSD	57	40	102	98	123	76			0

QC LIMITS

S1 (2FP) = 2-Fluorophenol	(10-160)
S2 (PHL) = Phenol-d5	(10-160)
S3 (NBZ) = Nitrobenzene-d5	(20-139)
S4 (FBP) = 2-Fluorobiphenyl	(10-173)
S5 (TBP) = 2,4,6-Tribromophenol	(10-169)
S6 (TPH) = Terphenyl-d14	(20-171)
S7 () =	
S8 () =	

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : B1568-03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Benzaldehyde	50	0	17	34	(10-160)
Phenol	50	0	22	44	(10-161)
bis(2-Chloroethyl)ether	50	0	57	114	(27-159)
2-Chlorophenol	50	0	46	92	(10-148)
2-Methylphenol	50	0	43	86	(10-150)
2,2-oxybis(1-Chloropropane)	50	0	64	128	(30-151)
Acetophenone	50	2.2	66	128	(42-139)
3+4-Methylphenols	50	1.7	43	83	(10-131)
n-Nitroso-di-n-propylamine	50	0	57	114	(22-167)
Hexachloroethane	50	0	57	114	(13-140)
Nitrobenzene	50	0	67	134	(24-157)
Isophorone	50	0	60	120	(23-168)
2-Nitrophenol	50	0	60	120	(10-166)
2,4-Dimethylphenol	50	0	52	104	(10-153)
bis(2-Chloroethoxy)methane	50	0	58	116	(22-165)
2,4-Dichlorophenol	50	0	51	102	(10-166)
Naphthalene	50	24	76	104	(10-169)
4-Chloroaniline	50	0	6.4	13	(10-161)
Hexachlorobutadiene	50	0	56	112	(14-140)
Caprolactam	50	0	12	24	(10-160)
4-Chloro-3-methylphenol	50	0	50	100	(10-177)
2-Methylnaphthalene	50	3.3	59	111	(25-151)
Hexachlorocyclopentadiene	100	0	130	130	(10-145)
2,4,6-Trichlorophenol	50	0	59	118	(10-155)
2,4,5-Trichlorophenol	50	0	57	114	(10-173)
1,1-Biphenyl	50	0	63	126	(35-142)
2-Chloronaphthalene	50	0	60	120	(27-158)
2-Nitroaniline	50	0	70	140	(22-178)
Dimethylphthalate	50	0	56	112	(11-146)
Acenaphthylene	50	1.5	59	115	(25-162)
2,6-Dinitrotoluene	50	0	57	114	(33-168)
3-Nitroaniline	50	0	19	38	(10-120)
Acenaphthene	50	13	85	144	(19-166)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 4 Out of 234 outside limits

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : B1568-03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
2,4-Dinitrophenol	100	0	110	110	(10-192)
4-Nitrophenol	100	0	54	54	(10-161)
Dibenzofuran	50	0	56	112	(26-164)
2,4-Dinitrotoluene	50	0	58	116	(27-172)
Diethylphthalate	50	0	56	112	(31-158)
4-Chlorophenyl-phenylether	50	0	56	112	(25-168)
Fluorene	50	1.9	61	118	(18-171)
4-Nitroaniline	50	0	37	74	(17-162)
4,6-Dinitro-2-methylphenol	50	0	62	124	(10-203)
n-Nitrosodiphenylamine	50	0	62	124	(26-167)
4-Bromophenyl-phenylether	50	0	60	120	(44-155)
Hexachlorobenzene	50	0	61	122	(31-160)
Atrazine	50	0	40	80	(25-169)
Pentachlorophenol	100	0	130	130	(10-179)
Phenanthrene	50	6.2	69	126	(29-168)
Anthracene	50	0	61	122	(20-176)
Carbazole	50	0	55	110	(36-171)
Di-n-butylphthalate	50	0	62	124	(33-177)
Fluoranthene	50	0	56	112	(23-174)
Pyrene	50	0	64	128	(19-182)
Butylbenzylphthalate	50	0	70	140	(37-172)
3,3-Dichlorobenzidine	50	0	1.5	3*	(10-160)
Benzo(a)anthracene	50	0	57	114	(33-165)
Chrysene	50	0	56	112	(37-163)
Bis(2-ethylhexyl)phthalate	50	0	65	130	(35-180)
Di-n-octyl phthalate	50	0	61	122	(36-179)
Benzo(b)fluoranthene	50	0	61	122	(39-171)
Benzo(k)fluoranthene	50	0	56	112	(36-171)
Benzo(a)pyrene	50	0	59	118	(36-165)
Indeno(1,2,3-cd)pyrene	50	0	54	108	(10-179)
Dibenzo(a,h)anthracene	50	0	59	118	(23-172)
Benzo(g,h,i)perylene	50	0	59	118	(10-183)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 4 Out of 234 outside limits

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : B1568-04

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % % (ug/L)		QC LIMITS	
					RPD	REC
Benzaldehyde	50	15	30	13	50	(10-160)
Phenol	50	20	40	10	50	(10-161)
bis(2-Chloroethyl)ether	50	50	100	13	50	(27-159)
2-Chlorophenol	50	39	78	16	50	(10-148)
2-Methylphenol	50	37	74	15	50	(10-150)
2,2-oxybis(1-Chloropropane)	50	54	108	17	50	(30-151)
Acetophenone	50	55	106	19	50	(42-139)
3+4-Methylphenols	50	36	69	18	50	(10-131)
n-Nitroso-di-n-propylamine	50	48	96	17	50	(22-167)
Hexachloroethane	50	46	92	21	50	(13-140)
Nitrobenzene	50	54	108	21	50	(24-157)
Isophorone	50	51	102	16	50	(23-168)
2-Nitrophenol	50	52	104	14	50	(10-166)
2,4-Dimethylphenol	50	45	90	14	50	(10-153)
bis(2-Chloroethoxy)methane	50	48	96	19	50	(22-165)
2,4-Dichlorophenol	50	45	90	13	50	(10-166)
Naphthalene	50	66	84	21	50	(10-169)
4-Chloroaniline	50	6.6	13	0	50	(10-161)
Hexachlorobutadiene	50	46	92	20	50	(14-140)
Caprolactam	50	11	22	9	50	(10-160)
4-Chloro-3-methylphenol	50	46	92	8	50	(10-177)
2-Methylnaphthalene	50	50	93	18	50	(25-151)
Hexachlorocyclopentadiene	100	100	100	26	50	(10-145)
2,4,6-Trichlorophenol	50	52	104	13	50	(10-155)
2,4,5-Trichlorophenol	50	51	102	11	50	(10-173)
1,1-Biphenyl	50	53	106	17	50	(35-142)
2-Chloronaphthalene	50	49	98	20	50	(27-158)
2-Nitroaniline	50	62	124	12	50	(22-178)
Dimethylphthalate	50	49	98	13	50	(11-146)
Acenaphthylene	50	50	97	17	50	(25-162)
2,6-Dinitrotoluene	50	50	100	13	50	(33-168)
3-Nitroaniline	50	19	38	0	50	(10-120)
Acenaphthene	50	71	116	22	50	(19-166)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 78 outside limits

Spike Recovery : 6 Out of 312 outside limits

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : B1568-04

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % % (ug/L)		QC LIMITS	
					RPD	REC
2,4-Dinitrophenol	100	100	100	10	50	(10-192)
4-Nitrophenol	100	51	51	6	50	(10-161)
Dibenzofuran	50	49	98	13	50	(26-164)
2,4-Dinitrotoluene	50	52	104	11	50	(27-172)
Diethylphthalate	50	49	98	13	50	(31-158)
4-Chlorophenyl-phenylether	50	47	94	17	50	(25-168)
Fluorene	50	52	100	17	50	(18-171)
4-Nitroaniline	50	35	70	6	50	(17-162)
4,6-Dinitro-2-methylphenol	50	59	118	5	50	(10-203)
n-Nitrosodiphenylamine	50	54	108	14	50	(26-167)
4-Bromophenyl-phenylether	50	53	106	12	50	(44-155)
Hexachlorobenzene	50	53	106	14	50	(31-160)
Atrazine	50	36	72	11	50	(25-169)
Pentachlorophenol	100	120	120	8	50	(10-179)
Phenanthrene	50	61	110	14	50	(29-168)
Anthracene	50	55	110	10	50	(20-176)
Carbazole	50	51	102	8	50	(36-171)
Di-n-butylphthalate	50	56	112	10	50	(33-177)
Fluoranthene	50	51	102	9	50	(23-174)
Pyrene	50	57	114	12	50	(19-182)
Butylbenzylphthalate	50	63	126	11	50	(37-172)
3,3-Dichlorobenzidine	50	0	0*	200*	50	(10-160)
Benzo(a)anthracene	50	52	104	9	50	(33-165)
Chrysene	50	51	102	9	50	(37-163)
Bis(2-ethylhexyl)phthalate	50	59	118	10	50	(35-180)
Di-n-octyl phthalate	50	56	112	9	50	(36-179)
Benzo(b)fluoranthene	50	54	108	12	50	(39-171)
Benzo(k)fluoranthene	50	51	102	9	50	(36-171)
Benzo(a)pyrene	50	52	104	13	50	(36-165)
Indeno(1,2,3-cd)pyrene	50	50	100	8	50	(10-179)
Dibenzo(a,h)anthracene	50	53	106	11	50	(23-172)
Benzo(g,h,i)perylene	50	53	106	11	50	(10-183)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 78 outside limits

Spike Recovery : 6 Out of 312 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1561 **SAS No :** B1561 **SDG No:** B1561
Matrix Spike - EPA Sample No : B1561-01

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Benzaldehyde	1800	0	470	26	(10-161)
Phenol	1800	0	1500	83	(43-127)
bis(2-Chloroethyl)ether	1800	0	1500	83	(43-134)
2-Chlorophenol	1800	0	1500	83	(41-131)
2-Methylphenol	1800	0	1400	78	(44-129)
2,2-oxybis(1-Chloropropane)	1800	0	1600	89	(36-137)
Acetophenone	1800	0	1700	94	(48-131)
3+4-Methylphenols	1800	0	1500	83	(44-131)
n-Nitroso-di-n-propylamine	1800	0	1500	83	(41-137)
Hexachloroethane	1800	0	1500	83	(25-142)
Nitrobenzene	1800	0	1600	89	(37-136)
Isophorone	1800	0	1500	83	(42-137)
2-Nitrophenol	1800	0	1600	89	(28-135)
2,4-Dimethylphenol	1800	0	1500	83	(35-136)
bis(2-Chloroethoxy)methane	1800	0	1500	83	(38-139)
2,4-Dichlorophenol	1800	0	1500	83	(34-137)
Naphthalene	1800	0	1500	83	(23-160)
4-Chloroaniline	1800	0	340	19	(10-160)
Hexachlorobutadiene	1800	0	1500	83	(37-132)
Caprolactam	1800	0	1400	78	(24-145)
4-Chloro-3-methylphenol	1800	0	1400	78	(40-131)
2-Methylnaphthalene	1800	0	1500	83	(37-139)
Hexachlorocyclopentadiene	3500	0	3300	94	(10-128)
2,4,6-Trichlorophenol	1800	0	1600	89	(32-131)
2,4,5-Trichlorophenol	1800	0	1600	89	(39-134)
1,1-Biphenyl	1800	0	1700	94	(47-131)
2-Chloronaphthalene	1800	0	1600	89	(43-133)
2-Nitroaniline	1800	0	1700	94	(41-138)
Dimethylphthalate	1800	160	1600	80	(51-132)
Acenaphthylene	1800	0	1500	83	(28-155)
2,6-Dinitrotoluene	1800	0	1500	83	(41-130)
3-Nitroaniline	1800	0	880	49	(10-155)
Acenaphthene	1800	0	1600	89	(32-146)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 78 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1561 **SAS No :** B1561 **SDG No:** B1561
Matrix Spike - EPA Sample No : B1561-01

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
2,4-Dinitrophenol	3500	0	2300	66	(10-177)
4-Nitrophenol	3500	0	2800	80	(10-155)
Dibenzofuran	1800	0	1500	83	(36-147)
2,4-Dinitrotoluene	1800	0	1500	83	(38-131)
Diethylphthalate	1800	0	1400	78	(47-132)
4-Chlorophenyl-phenylether	1800	0	1500	83	(43-133)
Fluorene	1800	0	1500	83	(17-166)
4-Nitroaniline	1800	0	1300	72	(23-137)
4,6-Dinitro-2-methylphenol	1800	0	1600	89	(10-153)
n-Nitrosodiphenylamine	1800	0	1600	89	(40-143)
4-Bromophenyl-phenylether	1800	0	1500	83	(40-135)
Hexachlorobenzene	1800	0	1500	83	(43-132)
Atrazine	1800	0	1500	83	(38-135)
Pentachlorophenol	3500	0	3300	94	(10-146)
Phenanthrene	1800	0	1500	83	(30-149)
Anthracene	1800	0	1500	83	(27-158)
Carbazole	1800	0	1400	78	(38-147)
Di-n-butylphthalate	1800	0	1500	83	(45-135)
Fluoranthene	1800	0	1400	78	(26-155)
Pyrene	1800	0	1700	94	(22-173)
Butylbenzylphthalate	1800	0	1800	100	(46-141)
3,3-Dichlorobenzidine	1800	0	1100	61	(10-126)
Benzo(a)anthracene	1800	0	1500	83	(27-159)
Chrysene	1800	0	1500	83	(23-166)
Bis(2-ethylhexyl)phthalate	1800	0	1700	94	(39-159)
Di-n-octyl phthalate	1800	0	1600	89	(36-151)
Benzo(b)fluoranthene	1800	0	1500	83	(21-171)
Benzo(k)fluoranthene	1800	0	1400	78	(26-165)
Benzo(a)pyrene	1800	0	1500	83	(26-157)
Indeno(1,2,3-cd)pyrene	1800	0	1600	89	(10-188)
Dibenzo(a,h)anthracene	1800	0	1500	83	(18-147)
Benzo(g,h,i)perylene	1800	0	1500	83	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 78 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1561 **SAS No :** B1561 **SDG No:** B1561
Matrix Spike - EPA Sample No : B1561-01

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Benzaldehyde	1800	500	28	7	50	(10-161)
Phenol	1800	1600	89	7	50	(43-127)
bis(2-Chloroethyl)ether	1800	1600	89	7	50	(43-134)
2-Chlorophenol	1800	1600	89	7	50	(41-131)
2-Methylphenol	1800	1500	83	6	50	(44-129)
2,2-oxybis(1-Chloropropane)	1800	1700	94	5	50	(36-137)
Acetophenone	1800	1700	94	0	50	(48-131)
3+4-Methylphenols	1800	1600	89	7	50	(44-131)
n-Nitroso-di-n-propylamine	1800	1600	89	7	50	(41-137)
Hexachloroethane	1800	1600	89	7	50	(25-142)
Nitrobenzene	1800	1700	94	5	50	(37-136)
Isophorone	1800	1600	89	7	50	(42-137)
2-Nitrophenol	1800	1800	100	12	50	(28-135)
2,4-Dimethylphenol	1800	1600	89	7	50	(35-136)
bis(2-Chloroethoxy)methane	1800	1600	89	7	50	(38-139)
2,4-Dichlorophenol	1800	1600	89	7	50	(34-137)
Naphthalene	1800	1500	83	0	50	(23-160)
4-Chloroaniline	1800	270	15	24	50	(10-160)
Hexachlorobutadiene	1800	1600	89	7	50	(37-132)
Caprolactam	1800	1500	83	6	50	(24-145)
4-Chloro-3-methylphenol	1800	1500	83	6	50	(40-131)
2-Methylnaphthalene	1800	1500	83	0	50	(37-139)
Hexachlorocyclopentadiene	3500	3500	100	6	50	(10-128)
2,4,6-Trichlorophenol	1800	1700	94	5	50	(32-131)
2,4,5-Trichlorophenol	1800	1700	94	5	50	(39-134)
1,1-Biphenyl	1800	1700	94	0	50	(47-131)
2-Chloronaphthalene	1800	1600	89	0	50	(43-133)
2-Nitroaniline	1800	1800	100	6	50	(41-138)
Dimethylphthalate	1800	1700	86	7	50	(51-132)
Acenaphthylene	1800	1600	89	7	50	(28-155)
2,6-Dinitrotoluene	1800	1500	83	0	50	(41-130)
3-Nitroaniline	1800	810	45	9	50	(10-155)
Acenaphthene	1800	1700	94	5	50	(32-146)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 2 Out of 156 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1561 **SAS No :** B1561 **SDG No:** B1561
Matrix Spike - EPA Sample No : B1561-01

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
2,4-Dinitrophenol	3500	2500	71	7	50	(10-177)
4-Nitrophenol	3500	3000	86	7	50	(10-155)
Dibenzofuran	1800	1500	83	0	50	(36-147)
2,4-Dinitrotoluene	1800	1600	89	7	50	(38-131)
Diethylphthalate	1800	1500	83	6	50	(47-132)
4-Chlorophenyl-phenylether	1800	1500	83	0	50	(43-133)
Fluorene	1800	1600	89	7	50	(17-166)
4-Nitroaniline	1800	1300	72	0	50	(23-137)
4,6-Dinitro-2-methylphenol	1800	1700	94	5	50	(10-153)
n-Nitrosodiphenylamine	1800	1700	94	5	50	(40-143)
4-Bromophenyl-phenylether	1800	1600	89	7	50	(40-135)
Hexachlorobenzene	1800	1700	94	12	50	(43-132)
Atrazine	1800	1600	89	7	50	(38-135)
Pentachlorophenol	3500	3500	100	6	50	(10-146)
Phenanthrene	1800	1600	89	7	50	(30-149)
Anthracene	1800	1600	89	7	50	(27-158)
Carbazole	1800	1500	83	6	50	(38-147)
Di-n-butylphthalate	1800	1600	89	7	50	(45-135)
Fluoranthene	1800	1400	78	0	50	(26-155)
Pyrene	1800	1700	94	0	50	(22-173)
Butylbenzylphthalate	1800	1900	106	6	50	(46-141)
3,3-Dichlorobenzidine	1800	1100	61	0	50	(10-126)
Benzo(a)anthracene	1800	1600	89	7	50	(27-159)
Chrysene	1800	1600	89	7	50	(23-166)
Bis(2-ethylhexyl)phthalate	1800	1800	100	6	50	(39-159)
Di-n-octyl phthalate	1800	1600	89	0	50	(36-151)
Benzo(b)fluoranthene	1800	1600	89	7	50	(21-171)
Benzo(k)fluoranthene	1800	1500	83	6	50	(26-165)
Benzo(a)pyrene	1800	1600	89	7	50	(26-157)
Indeno(1,2,3-cd)pyrene	1800	1600	89	0	50	(10-188)
Dibenzo(a,h)anthracene	1800	1600	89	7	50	(18-147)
Benzo(g,h,i)perylene	1800	1600	89	7	50	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 2 Out of 156 outside limits

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : PB48201BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Benzaldehyde	50		17	34	(10-161)
Phenol	50		12	24	(10-132)
bis(2-Chloroethyl)ether	50		46	92	(38-127)
2-Chlorophenol	50		37	74	(10-148)
2-Methylphenol	50		30	60	(10-152)
2,2-oxybis(1-Chloropropane)	50		50	100	(46-118)
Acetophenone	50		55	110	(57-116)
3+4-Methylphenols	50		27	54	(10-152)
n-Nitroso-di-n-propylamine	50		49	98	(49-120)
Hexachloroethane	50		41	82	(26-152)
Nitrobenzene	50		52	104	(37-127)
Isophorone	50		51	102	(50-122)
2-Nitrophenol	50		52	104	(49-122)
2,4-Dimethylphenol	50		41	82	(10-119)
bis(2-Chloroethoxy)methane	50		49	98	(48-123)
2,4-Dichlorophenol	50		47	94	(10-124)
Naphthalene	50		46	92	(42-115)
4-Chloroaniline	50		40	80	(10-161)
Hexachlorobutadiene	50		45	90	(33-114)
Caprolactam	50		7.4	15	(10-161)
4-Chloro-3-methylphenol	50		43	86	(10-114)
2-Methylnaphthalene	50		48	96	(51-114)
Hexachlorocyclopentadiene	100		100	100	(10-155)
2,4,6-Trichlorophenol	50		53	106	(10-121)
2,4,5-Trichlorophenol	50		50	100	(10-123)
1,1-Biphenyl	50		53	106	(58-115)
2-Chloronaphthalene	50		50	100	(52-117)
2-Nitroaniline	50		58	116	(62-123)
Dimethylphthalate	50		49	98	(3-142)
Acenaphthylene	50		50	100	(52-118)
2,6-Dinitrotoluene	50		51	102	(65-120)
3-Nitroaniline	50		43	86	(10-120)
Acenaphthene	50		53	106	(51-118)
2,4-Dinitrophenol	100		74	74	(10-136)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____



3B

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561Matrix Spike - EPA Sample No : PB48201BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
4-Nitrophenol	100		33	33	(10-161)
Dibenzofuran	50		49	98	(61-115)
2,4-Dinitrotoluene	50		52	104	(68-122)
Diethylphthalate	50		49	98	(51-122)
4-Chlorophenyl-phenylether	50		51	102	(62-119)
Fluorene	50		52	104	(55-121)
4-Nitroaniline	50		48	96	(66-123)
4,6-Dinitro-2-methylphenol	50		46	92	(10-144)
n-Nitrosodiphenylamine	50		52	104	(64-119)
4-Bromophenyl-phenylether	50		52	104	(63-123)
Hexachlorobenzene	50		52	104	(45-136)
Atrazine	50		52	104	(61-132)
Pentachlorophenol	100		100	100	(10-124)
Phenanthrene	50		50	100	(55-126)
Anthracene	50		51	102	(59-122)
Carbazole	50		49	98	(70-124)
Di-n-butylphthalate	50		51	102	(72-121)
Fluoranthene	50		49	98	(61-127)
Pyrene	50		55	110	(62-128)
Butylbenzylphthalate	50		58	116	(66-129)
3,3-Dichlorobenzidine	50		45	90	(10-160)
Benzo(a)anthracene	50		52	104	(52-136)
Chrysene	50		52	104	(55-136)
Bis(2-ethylhexyl)phthalate	50		53	106	(69-130)
Di-n-octyl phthalate	50		50	100	(66-131)
Benzo(b)fluoranthene	50		53	106	(48-149)
Benzo(k)fluoranthene	50		51	102	(54-138)
Benzo(a)pyrene	50		53	106	(55-139)
Indeno(1,2,3-cd)pyrene	50		48	96	(10-145)
Dibenzo(a,h)anthracene	50		51	102	(45-150)
Benzo(g,h,i)perylene	50		50	100	(54-138)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

SOIL SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : PB48202BS

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Benzaldehyde	1700		460	27	(10-161)
Phenol	1700		1400	82	(51-111)
bis(2-Chloroethyl)ether	1700		1400	82	(48-114)
2-Chlorophenol	1700		1400	82	(53-110)
2-Methylphenol	1700		1400	82	(52-111)
2,2-oxybis(1-Chloropropane)	1700		1500	88	(45-117)
Acetophenone	1700		1600	94	(51-114)
3+4-Methylphenols	1700		1400	82	(54-109)
n-Nitroso-di-n-propylamine	1700		1500	88	(51-114)
Hexachloroethane	1700		1500	88	(44-113)
Nitrobenzene	1700		1600	94	(49-114)
Isophorone	1700		1500	88	(52-113)
2-Nitrophenol	1700		1600	94	(51-116)
2,4-Dimethylphenol	1700		1400	82	(46-148)
bis(2-Chloroethoxy)methane	1700		1400	82	(52-115)
2,4-Dichlorophenol	1700		1400	82	(53-112)
Naphthalene	1700		1400	82	(51-114)
4-Chloroaniline	1700		320	19*	(25-115)
Hexachlorobutadiene	1700		1500	88	(47-116)
Caprolactam	1700		1400	82	(34-117)
4-Chloro-3-methylphenol	1700		1400	82	(56-111)
2-Methylnaphthalene	1700		1400	82	(54-111)
Hexachlorocyclopentadiene	3300		3200	97	(43-112)
2,4,6-Trichlorophenol	1700		1500	88	(53-112)
2,4,5-Trichlorophenol	1700		1500	88	(53-113)
1,1-Biphenyl	1700		1600	94	(55-109)
2-Chloronaphthalene	1700		1500	88	(55-112)
2-Nitroaniline	1700		1700	100	(53-118)
Dimethylphthalate	1700		1500	88	(57-112)
Acenaphthylene	1700		1500	88	(54-113)
2,6-Dinitrotoluene	1700		1400	82	(55-114)
3-Nitroaniline	1700		740	44	(10-157)
Acenaphthene	1700		1500	88	(54-113)
2,4-Dinitrophenol	3300		2500	76	(15-153)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 78 outside limits

Comments: _____

SOIL SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1561 SAS No : B1561 SDG No: B1561

Matrix Spike - EPA Sample No : PB48202BS

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
4-Nitrophenol	3300		2800	85	(44-115)
Dibenzofuran	1700		1400	82	(59-108)
2,4-Dinitrotoluene	1700		1400	82	(55-115)
Diethylphthalate	1700		1400	82	(56-111)
4-Chlorophenyl-phenylether	1700		1500	88	(56-111)
Fluorene	1700		1500	88	(56-113)
4-Nitroaniline	1700		1300	76	(46-113)
4,6-Dinitro-2-methylphenol	1700		1400	82	(39-126)
n-Nitrosodiphenylamine	1700		1500	88	(54-115)
4-Bromophenyl-phenylether	1700		1500	88	(51-120)
Hexachlorobenzene	1700		1500	88	(52-117)
Atrazine	1700		1500	88	(40-127)
Pentachlorophenol	3300		3100	94	(47-116)
Phenanthrene	1700		1500	88	(56-113)
Anthracene	1700		1500	88	(56-113)
Carbazole	1700		1400	82	(54-117)
Di-n-butylphthalate	1700		1500	88	(58-115)
Fluoranthene	1700		1400	82	(54-117)
Pyrene	1700		1700	100	(58-117)
Butylbenzylphthalate	1700		1700	100	(57-122)
3,3-Dichlorobenzidine	1700		390	23	(10-157)
Benzo(a)anthracene	1700		1500	88	(57-112)
Chrysene	1700		1500	88	(59-114)
Bis(2-ethylhexyl)phthalate	1700		1700	100	(60-119)
Di-n-octyl phthalate	1700		1500	88	(56-122)
Benzo(b)fluoranthene	1700		1500	88	(53-120)
Benzo(k)fluoranthene	1700		1500	88	(56-117)
Benzo(a)pyrene	1700		1500	88	(56-117)
Indeno(1,2,3-cd)pyrene	1700		1400	82	(49-120)
Dibenzo(a,h)anthracene	1700		1500	88	(52-119)
Benzo(g,h,i)perylene	1700		1500	88	(53-119)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 78 outside limits

Comments: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB48201B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1561SAS No.: B1561 SDG NO.: B1561Lab File ID: BE062546.DLab Sample ID: PB48201BInstrument ID: BNAEDate Extracted: 03/11/2010Matrix: (soil/water) WATERDate Analyzed: 03/11/2010Level: (low/med) LOWTime Analyzed: 16:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB48201BS	PB48201BS	BE062547.D	03/11/2010
FIELD BLANK (3-9-10)	B1561-14	BE062564.D	03/12/2010
MW-103SMS	B1568-03MS	BE062588.D	03/12/2010
MW-103SMSD	B1568-04MSD	BE062589.D	03/12/2010

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB48202B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1561SAS No.: B1561 SDG NO.: B1561Lab File ID: BE062548.DLab Sample ID: PB48202BInstrument ID: BNAEDate Extracted: 03/11/2010Matrix: (soil/water) SOILDate Analyzed: 03/11/2010Level: (low/med) LOWTime Analyzed: 17:06

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB48202BS	PB48202BS	BE062549.D	03/11/2010
SB-2 (18-20)	B1561-02	BE062561.D	03/11/2010
SB-3 (18-20)	B1561-03	BE062562.D	03/11/2010
SB-1 (18-20)	B1561-01	BE062565.D	03/12/2010
SB-1 (18-20)MS	B1561-01MS	BE062566.D	03/12/2010
SB-1 (18-20)MSD	B1561-01MSD	BE062567.D	03/12/2010
SB-4 (18-20)	B1561-04	BE062583.D	03/12/2010
DUP-02	B1561-13	BE062584.D	03/12/2010

COMMENTS: _____



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG NO.: B1561

EPA Sample No.: SSTD040 Date Analyzed: 03/12/2010

Lab File ID: BE062574.D Time Analyzed: 05:35

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	234364	4.98	866511	6.14	402707	7.86
UPPER LIMIT	468728	5.48	1733022	6.64	805414	8.36000
LOWER LIMIT	117182	4.48	433255.5	5.64	201353.5	7.36
EPA SAMPLE NO.						
01 SB-4(18-20)	183611	4.98	721446	6.14	327737	7.86
02 DUP-02	187165	4.99	716397	6.14	329182	7.86
03 MW-103SMS	207229	4.99	775305	6.14	343885	7.86
04 MW-103SMSD	186925	4.99	696353	6.14	320072	7.86

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG NO.: B1561

EPA Sample No.: SSTD040 Date Analyzed: 03/12/2010

Lab File ID: BE062574.D Time Analyzed: 05:35

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
01	12 HOUR STD	610731	9.53	416566	12.73	321083	14.74
	UPPER LIMIT	1221462	10.03	833132	13.23	642166	15.24
	LOWER LIMIT	305365.5	9.03	208283	12.23	160541.5	14.24
	EPA SAMPLE NO.						
	SB-4 (18-20)	458465	9.53	250559	12.72	223454	14.74
	DUP-02	457029	9.53	259023	12.72	236285	14.74
	MW-103SMS	486847	9.53	317358	12.73	239284	14.75
	MW-103SMSD	451740	9.54	297533	12.73	227616	14.75

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.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG NO.: B1561

EPA Sample No.: SSTD050 Date Analyzed: 03/11/2010

Lab File ID: BE062545.D Time Analyzed: 15:40

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	195150	4.99	734053	6.14	349564	7.86
UPPER LIMIT	390300	5.49	1468106	6.64	699128	8.36000
LOWER LIMIT	97575	4.49	367026.5	5.64	174782	7.36
EPA SAMPLE NO.						
01 PB48201B	210020	4.98	804131	6.13	390436	7.86
02 PB48201BS	215739	4.99	784929	6.14	369593	7.86
03 PB48202B	208205	4.99	820998	6.14	383955	7.86
04 PB48202BS	205787	4.99	774061	6.14	359536	7.86
05 SB-2(18-20)	197565	4.98	757052	6.13	348518	7.86
06 SB-3(18-20)	206959	4.99	786811	6.13	361905	7.85
07 FIELDBLANK(3-9-10)	214016	4.98	812587	6.14	375828	7.86
08 SB-1(18-20)	208687	4.98	820368	6.14	377580	7.86
09 SB-1(18-20)MS	209911	4.99	786547	6.14	353751	7.86
10 SB-1(18-20)MSD	221625	4.98	842266	6.14	385408	7.86

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG NO.: B1561

EPA Sample No.: SSTD050 Date Analyzed: 03/11/2010

Lab File ID: BE062545.D Time Analyzed: 15:40

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	531470	9.53	358053	12.73	272362	14.74
	UPPER LIMIT	1062940	10.03	716106	13.23	544724	15.24
	LOWER LIMIT	265735	9.03	179026.5	12.23	136181	14.24
	EPA SAMPLE NO.						
01	PB48201B	590926	9.53	366043	12.72	305944	14.74
02	PB48201BS	564793	9.53	359926	12.73	273080	14.74
03	PB48202B	559089	9.53	302158	12.72	266573	14.74
04	PB48202BS	519912	9.53	310677	12.72	237189	14.74
05	SB-2 (18-20)	490271	9.53	268525	12.72	249292	14.74
06	SB-3 (18-20)	527095	9.53	291590	12.72	255398	14.74
07	FIELD BLANK (3-9-10)	542514	9.53	325768	12.72	280195	14.74
08	SB-1 (18-20)	529969	9.53	294496	12.72	272700	14.74
09	SB-1 (18-20) MS	507791	9.53	305566	12.73	251812	14.74
10	SB-1 (18-20) MSD	549732	9.53	326803	12.73	259984	14.74

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.

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
Matrix (soil/water): SOIL Lab Sample ID: B1561-04
Level (low/med): LOW Date Received: 3/10/2010
% Solids: 95.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	374			P
7440-36-0	Antimony	1.640	U		P
7440-38-2	Arsenic	0.23	J		P
7440-39-3	Barium	6.180			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	68.1			P
7440-47-3	Chromium	55.4			P
7440-48-4	Cobalt	0.99	U		P
7440-50-8	Copper	5.570			P
7439-89-6	Iron	1520			P
7439-92-1	Lead	135			P
7439-95-4	Magnesium	45.5	J		P
7439-96-5	Manganese	5.300			P
7439-97-6	Mercury	0.011	U		CV
7440-02-0	Nickel	0.34	J		P
7440-09-7	Potassium	27.9	J		P
7782-49-2	Selenium	0.66	U		P
7440-22-4	Silver	0.33	U		P
7440-23-5	Sodium	46.4	J		P
7440-28-0	Thallium	1.310	U		P
7440-62-2	Vanadium	1.540			P
7440-66-6	Zinc	34.9			P

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-5(14-16)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
 Matrix (soil/water): SOIL Lab Sample ID: B1561-05
 Level (low/med): LOW Date Received: 3/10/2010
 % Solids: 94.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	443			P
7440-36-0	Antimony	1.910	U		P
7440-38-2	Arsenic	0.26	J		P
7440-39-3	Barium	1.680	J		P
7440-41-7	Beryllium	0.23	U		P
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium	44.3	J		P
7440-47-3	Chromium	2.050			P
7440-48-4	Cobalt	1.150	U		P
7440-50-8	Copper	1.090			P
7439-89-6	Iron	1270			P
7439-92-1	Lead	5.300			P
7439-95-4	Magnesium	81.2			P
7439-96-5	Manganese	10.9			P
7439-97-6	Mercury	0.011	U		CV
7440-02-0	Nickel	0.50	J		P
7440-09-7	Potassium	46.5	J		P
7782-49-2	Selenium	0.50	J		P
7440-22-4	Silver	0.38	U		P
7440-23-5	Sodium	51.0	J		P
7440-28-0	Thallium	1.530	U		P
7440-62-2	Vanadium	2.570			P
7440-66-6	Zinc	3.610			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-5(18-20)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
Matrix (soil/water): SOIL Lab Sample ID: B1561-06
Level (low/med): LOW Date Received: 3/10/2010
% Solids: 96.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	369			P
7440-36-0	Antimony	1.930	U		P
7440-38-2	Arsenic	0.77	U		P
7440-39-3	Barium	1.520	J		P
7440-41-7	Beryllium	0.23	U		P
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium	31.9	J		P
7440-47-3	Chromium	2.980			P
7440-48-4	Cobalt	1.160	U		P
7440-50-8	Copper	3.530			P
7439-89-6	Iron	1510			P
7439-92-1	Lead	11.2			P
7439-95-4	Magnesium	71.6	J		P
7439-96-5	Manganese	8.850			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	1.550	U		P
7440-09-7	Potassium	53.8	J		P
7782-49-2	Selenium	0.77	U		P
7440-22-4	Silver	0.39	U		P
7440-23-5	Sodium	44.8	J		P
7440-28-0	Thallium	1.550	U		P
7440-62-2	Vanadium	1.710			P
7440-66-6	Zinc	4.840			P

Color Before: Brown Clarity Before: Texture: Medium
Color After: Yellow Clarity After: Artifacts:

Comments:

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-6(14-16)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
 Matrix (soil/water): SOIL Lab Sample ID: B1561-07
 Level (low/med): LOW Date Received: 3/10/2010
 % Solids: 93.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	304			P
7440-36-0	Antimony	2.260	U		P
7440-38-2	Arsenic	0.37	J		P
7440-39-3	Barium	68.8			P
7440-41-7	Beryllium	0.27	U		P
7440-43-9	Cadmium	0.27	U		P
7440-70-2	Calcium	63.5	J		P
7440-47-3	Chromium	8.050			P
7440-48-4	Cobalt	1.360	U		P
7440-50-8	Copper	2.130			P
7439-89-6	Iron	1260			P
7439-92-1	Lead	12.7			P
7439-95-4	Magnesium	91.1			P
7439-96-5	Manganese	5.900			P
7439-97-6	Mercury	0.011	U		CV
7440-02-0	Nickel	0.48	J		P
7440-09-7	Potassium	79.7	J		P
7782-49-2	Selenium	0.38	J		P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	62.7	J		P
7440-28-0	Thallium	1.810	U		P
7440-62-2	Vanadium	1.570	J		P
7440-66-6	Zinc	8.880			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-6(18-20)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
 Matrix (soil/water): SOIL Lab Sample ID: B1561-08
 Level (low/med): LOW Date Received: 3/10/2010
 % Solids: 94.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	270			P
7440-36-0	Antimony	2.640	U		P
7440-38-2	Arsenic	0.55	J		P
7440-39-3	Barium	44.6			P
7440-41-7	Beryllium	0.32	U		P
7440-43-9	Cadmium	0.32	U		P
7440-70-2	Calcium	43.6	J		P
7440-47-3	Chromium	4.710			P
7440-48-4	Cobalt	1.580	U		P
7440-50-8	Copper	1.040	J		P
7439-89-6	Iron	1520			P
7439-92-1	Lead	7.430			P
7439-95-4	Magnesium	92.1	J		P
7439-96-5	Manganese	6.860			P
7439-97-6	Mercury	0.011	U		CV
7440-02-0	Nickel	2.110	U		P
7440-09-7	Potassium	57.9	J		P
7782-49-2	Selenium	0.45	J		P
7440-22-4	Silver	0.53	U		P
7440-23-5	Sodium	68.3	J		P
7440-28-0	Thallium	2.110	U		P
7440-62-2	Vanadium	1.530	J		P
7440-66-6	Zinc	10.3			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-7(14-16)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
Matrix (soil/water): SOIL Lab Sample ID: B1561-11
Level (low/med): LOW Date Received: 3/10/2010
% Solids: 94.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	409			P
7440-36-0	Antimony	1.610	U		P
7440-38-2	Arsenic	0.63	J		P
7440-39-3	Barium	2.720	J		P
7440-41-7	Beryllium	0.19	U		P
7440-43-9	Cadmium	0.19	U		P
7440-70-2	Calcium	37.5	J		P
7440-47-3	Chromium	4.240			P
7440-48-4	Cobalt	0.97	U		P
7440-50-8	Copper	0.88			P
7439-89-6	Iron	1570			P
7439-92-1	Lead	1.120			P
7439-95-4	Magnesium	58.0	J		P
7439-96-5	Manganese	15.1			P
7439-97-6	Mercury	0.011	U		CV
7440-02-0	Nickel	0.51	J		P
7440-09-7	Potassium	34.6	J		P
7782-49-2	Selenium	0.52	J		P
7440-22-4	Silver	0.32	U		P
7440-23-5	Sodium	37.4	J		P
7440-28-0	Thallium	1.290	U		P
7440-62-2	Vanadium	1.890			P
7440-66-6	Zinc	7.150			P

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-7(18-20)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
 Matrix (soil/water): SOIL Lab Sample ID: B1561-12
 Level (low/med): LOW Date Received: 3/10/2010
 % Solids: 97.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	458			P
7440-36-0	Antimony	1.870	U		P
7440-38-2	Arsenic	0.75	U		P
7440-39-3	Barium	3.570	J		P
7440-41-7	Beryllium	0.22	U		P
7440-43-9	Cadmium	0.05	J		P
7440-70-2	Calcium	43.2	J		P
7440-47-3	Chromium	4.400			P
7440-48-4	Cobalt	1.120	U		P
7440-50-8	Copper	0.74	J		P
7439-89-6	Iron	1240			P
7439-92-1	Lead	0.68			P
7439-95-4	Magnesium	159			P
7439-96-5	Manganese	10.9			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	0.68	J		P
7440-09-7	Potassium	118			P
7782-49-2	Selenium	0.33	J		P
7440-22-4	Silver	0.37	U		P
7440-23-5	Sodium	46.8	J		P
7440-28-0	Thallium	1.490	U		P
7440-62-2	Vanadium	2.930			P
7440-66-6	Zinc	27.8			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-02

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
 Matrix (soil/water): SOIL Lab Sample ID: B1561-13
 Level (low/med): LOW Date Received: 3/10/2010
 % Solids: 92.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	402			P
7440-36-0	Antimony	2.240	U		P
7440-38-2	Arsenic	0.34	J		P
7440-39-3	Barium	8.060			P
7440-41-7	Beryllium	0.27	U		P
7440-43-9	Cadmium	0.27	U		P
7440-70-2	Calcium	81.3	J		P
7440-47-3	Chromium	53.8			P
7440-48-4	Cobalt	1.340	U		P
7440-50-8	Copper	5.880			P
7439-89-6	Iron	1880			P
7439-92-1	Lead	144			P
7439-95-4	Magnesium	71.6	J		P
7439-96-5	Manganese	11.7			P
7439-97-6	Mercury	0.011	U		CV
7440-02-0	Nickel	0.47	J		P
7440-09-7	Potassium	47.6	J		P
7782-49-2	Selenium	0.53	J		P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	52.2	J		P
7440-28-0	Thallium	1.790	U		P
7440-62-2	Vanadium	1.900			P
7440-66-6	Zinc	42.1			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK (3-9-10)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
Matrix (soil/water): WATER Lab Sample ID: B1561-14
Level (low/med): LOW Date Received: 3/10/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	50.0	U		P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	50.0	U		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	3.000	U		P
7440-70-2	Calcium	1000	U		P
7440-47-3	Chromium	5.000	U		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	50.0	U		P
7439-92-1	Lead	6.000	U		P
7439-95-4	Magnesium	1000	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	1000	U		P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: Colorless Clarity Before: Clear Texture: _____
Color After: Colorless Clarity After: Clear Artifacts: _____

Comments: _____

Hit Summary Sheet
SW-846

SDG No.:	B1561			Order ID:	B1561			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	DUP-02							
B1561-13	DUP-02	SOIL	Aluminum	402		4.480	0.75	mg/Kg
B1561-13	DUP-02	SOIL	Arsenic	0.34	J	0.90	0.30	mg/Kg
B1561-13	DUP-02	SOIL	Barium	8.060		4.480	0.36	mg/Kg
B1561-13	DUP-02	SOIL	Calcium	81.3	J	89.6	0.96	mg/Kg
B1561-13	DUP-02	SOIL	Chromium	53.8		0.45	0.12	mg/Kg
B1561-13	DUP-02	SOIL	Copper	5.880		0.90	0.29	mg/Kg
B1561-13	DUP-02	SOIL	Iron	1880		4.480	1.190	mg/Kg
B1561-13	DUP-02	SOIL	Lead	144		0.54	0.35	mg/Kg
B1561-13	DUP-02	SOIL	Magnesium	71.6	J	89.6	4.110	mg/Kg
B1561-13	DUP-02	SOIL	Manganese	11.7		0.90	0.17	mg/Kg
B1561-13	DUP-02	SOIL	Nickel	0.47	J	1.790	0.41	mg/Kg
B1561-13	DUP-02	SOIL	Potassium	47.6	J	89.6	3.140	mg/Kg
B1561-13	DUP-02	SOIL	Selenium	0.53	J	0.90	0.37	mg/Kg
B1561-13	DUP-02	SOIL	Sodium	52.2	J	89.6	2.260	mg/Kg
B1561-13	DUP-02	SOIL	Vanadium	1.900		1.790	0.53	mg/Kg
B1561-13	DUP-02	SOIL	Zinc	42.1		1.790	0.63	mg/Kg
Client ID:	SB-4(18-20)							
B1561-04	SB-4(18-20)	SOIL	Aluminum	374		3.290	0.55	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Arsenic	0.23	J	0.66	0.22	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Barium	6.180		3.290	0.26	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Calcium	68.1		65.7	0.70	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Chromium	55.4		0.33	0.09	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Copper	5.570		0.66	0.21	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Iron	1520		3.290	0.87	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Lead	135		0.39	0.26	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Magnesium	45.5	J	65.7	3.010	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Manganese	5.300		0.66	0.12	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Nickel	0.34	J	1.310	0.30	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Potassium	27.9	J	65.7	2.300	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Sodium	46.4	J	65.7	1.660	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Vanadium	1.540		1.310	0.39	mg/Kg
B1561-04	SB-4(18-20)	SOIL	Zinc	34.9		1.310	0.46	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1561			Order ID:	B1561			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SB-5(14-16)							
B1561-05	SB-5(14-16)	SOIL	Aluminum	443		3.830	0.64	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Arsenic	0.26	J	0.77	0.25	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Barium	1.680	J	3.830	0.31	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Calcium	44.3	J	76.5	0.82	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Chromium	2.050		0.38	0.10	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Copper	1.090		0.77	0.24	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Iron	1270		3.830	1.020	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Lead	5.300		0.46	0.30	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Magnesium	81.2		76.5	3.510	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Manganese	10.9		0.77	0.15	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Nickel	0.50	J	1.530	0.35	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Potassium	46.5	J	76.5	2.680	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Selenium	0.50	J	0.77	0.31	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Sodium	51.0	J	76.5	1.930	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Vanadium	2.570		1.530	0.45	mg/Kg
B1561-05	SB-5(14-16)	SOIL	Zinc	3.610		1.530	0.54	mg/Kg
Client ID:	SB-5(18-20)							
B1561-06	SB-5(18-20)	SOIL	Aluminum	369		3.870	0.65	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Barium	1.520	J	3.870	0.31	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Calcium	31.9	J	77.3	0.83	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Chromium	2.980		0.39	0.10	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Copper	3.530		0.77	0.25	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Iron	1510		3.870	1.030	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Lead	11.2		0.46	0.30	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Magnesium	71.6	J	77.3	3.540	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Manganese	8.850		0.77	0.15	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Potassium	53.8	J	77.3	2.710	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Sodium	44.8	J	77.3	1.950	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Vanadium	1.710		1.550	0.46	mg/Kg
B1561-06	SB-5(18-20)	SOIL	Zinc	4.840		1.550	0.54	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1561			Order ID:	B1561			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SB-6(14-16)							
B1561-07	SB-6(14-16)	SOIL	Aluminum	304		4.520	0.76	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Arsenic	0.37	J	0.90	0.30	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Barium	68.8		4.520	0.36	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Calcium	63.5	J	90.4	0.97	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Chromium	8.050		0.45	0.12	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Copper	2.130		0.90	0.29	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Iron	1260		4.520	1.200	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Lead	12.7		0.54	0.35	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Magnesium	91.1		90.4	4.140	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Manganese	5.900		0.90	0.17	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Nickel	0.48	J	1.810	0.42	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Potassium	79.7	J	90.4	3.170	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Selenium	0.38	J	0.90	0.37	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Sodium	62.7	J	90.4	2.280	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Vanadium	1.570	J	1.810	0.53	mg/Kg
B1561-07	SB-6(14-16)	SOIL	Zinc	8.880		1.810	0.63	mg/Kg
Client ID:	SB-6(18-20)							
B1561-08	SB-6(18-20)	SOIL	Aluminum	270		5.280	0.89	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Arsenic	0.55	J	1.060	0.35	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Barium	44.6		5.280	0.42	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Calcium	43.6	J	106	1.130	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Chromium	4.710		0.53	0.14	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Copper	1.040	J	1.060	0.34	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Iron	1520		5.280	1.400	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Lead	7.430		0.63	0.41	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Magnesium	92.1	J	106	4.840	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Manganese	6.860		1.060	0.20	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Potassium	57.9	J	106	3.700	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Selenium	0.45	J	1.060	0.43	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Sodium	68.3	J	106	2.660	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Vanadium	1.530	J	2.110	0.62	mg/Kg
B1561-08	SB-6(18-20)	SOIL	Zinc	10.3		2.110	0.74	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B1561	Order ID:	B1561
Client:	P.W. Grosser Consulting	Project ID:	Ronkonkona Wallpaper- Suffolk C

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SB-7(14-16)							
B1561-11	SB-7(14-16)	SOIL	Aluminum	409		3.220	0.54	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Arsenic	0.63	J	0.64	0.21	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Barium	2.720	J	3.220	0.26	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Calcium	37.5	J	64.4	0.69	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Chromium	4.240		0.32	0.08	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Copper	0.88		0.64	0.21	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Iron	1570		3.220	0.86	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Lead	1.120		0.39	0.25	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Magnesium	58.0	J	64.4	2.950	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Manganese	15.1		0.64	0.12	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Nickel	0.51	J	1.290	0.30	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Potassium	34.6	J	64.4	2.250	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Selenium	0.52	J	0.64	0.26	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Sodium	37.4	J	64.4	1.620	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Vanadium	1.890		1.290	0.38	mg/Kg
B1561-11	SB-7(14-16)	SOIL	Zinc	7.150		1.290	0.45	mg/Kg
Client ID:	SB-7(18-20)							
B1561-12	SB-7(18-20)	SOIL	Aluminum	458		3.730	0.63	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Barium	3.570	J	3.730	0.30	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Cadmium	0.05	J	0.22	0.04	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Calcium	43.2	J	74.6	0.80	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Chromium	4.400		0.37	0.10	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Copper	0.74	J	0.75	0.24	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Iron	1240		3.730	0.99	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Lead	0.68		0.45	0.29	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Magnesium	159		74.6	3.420	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Manganese	10.9		0.75	0.14	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Nickel	0.68	J	1.490	0.34	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Potassium	118		74.6	2.610	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Selenium	0.33	J	0.75	0.31	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Sodium	46.8	J	74.6	1.880	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Vanadium	2.930		1.490	0.44	mg/Kg
B1561-12	SB-7(18-20)	SOIL	Zinc	27.8		1.490	0.52	mg/Kg

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	50.0	U	28.6	J	38.4	J	23.2	J	50.000	U	P
Antimony	25.0	U	25.0	U	25.0	U	25.0	U	25.000	U	P
Arsenic	10.0	U	4.3	J	10.0	U	10.0	U	10.000	U	P
Barium	50.0	U	50.0	U	50.0	U	7.3	J	50.000	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Cadmium	3.0	U	0.9	J	1.0	J	2.0	J	3.000	U	P
Calcium	1000.0	U	53.0	J	40.2	J	45.0	J	1000.000	U	P
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	1.100	U	P
Cobalt	15.0	U	15.0	U	15.0	U	15.0	U	15.000	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Iron	50.0	U	50.0	U	50.0	U	50.0	U	50.000	U	P
Lead	6.0	U	6.0	U	6.0	U	4.0	J	6.000	U	P
Magnesium	1000.0	U	40.6	J	59.9	J	62.9	J	1000.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	2.0	J	10.000	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.002	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Potassium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Selenium	10.0	U	5.2	J	10.0	U	10.0	U	10.000	U	P
Silver	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Sodium	1000.0	U	1000.0	U	1000.0	U	15.7	J	1000.000	U	P
Thallium	20.0	U	6.1	J	5.1	J	5.7	J	20.000	U	P
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Zinc	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U	5.000	U	P
Antimony			25.0	U	25.0	U	25.0	U	2.500	U	P
Arsenic			10.0	U	10.0	U	10.0	U	1.000	U	P
Barium			50.0	U	50.0	U	50.0	U	5.000	U	P
Beryllium			3.0	U	3.0	U	3.0	U	0.300	U	P
Cadmium			3.0	U	3.0	U	3.0	U	0.300	U	P
Calcium			1000.0	U	1000.0	U	1000.0	U	100.000	U	P
Chromium			5.0	U	-1.2	J	5.0	U	0.500	U	P
Cobalt			15.0	U	15.0	U	15.0	U	1.500	U	P
Copper			10.0	U	10.0	U	10.0	U	1.000	U	P
Iron			50.0	U	50.0	U	50.0	U	5.000	U	P
Lead			6.0	U	6.0	U	6.0	U	0.600	U	P
Magnesium			1000.0	U	1000.0	U	1000.0	U	100.000	U	P
Manganese			10.0	U	10.0	U	10.0	U	1.000	U	P
Mercury			0.200	U	0.200	U	0.200	U			CV
Nickel			20.0	U	20.0	U	20.0	U	2.000	U	P
Potassium			1000.0	U	1000.0	U	1000.0	U	100.000	U	P
Selenium			10.0	U	10.0	U	10.0	U	1.000	U	P
Silver			5.0	U	5.0	U	5.0	U	0.500	U	P
Sodium			1000.0	U	1000.0	U	1000.0	U	100.000	U	P
Thallium			20.0	U	2.5	J	20.0	U	2.000	U	P
Vanadium			20.0	U	20.0	U	20.0	U	2.000	U	P
Zinc			20.0	U	20.0	U	20.0	U	2.000	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U			P
Antimony			25.0	U	25.0	U	25.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			50.0	U	50.0	U	50.0	U			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			3.0	U	3.0	U	3.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	-1.4	J			P
Cobalt			15.0	U	15.0	U	15.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron			50.0	U	50.0	U	50.0	U			P
Lead			6.0	U	6.0	U	6.0	U			P
Magnesium			1000.0	U	1000.0	U	1000.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Mercury			0.200	U	0.200	U	0.200	U			CV
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			1000.0	U	1000.0	U	1000.0	U			P
Selenium			10.0	U	10.0	U	10.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			14.9	J	1000.0	U	1000.0	U			P
Thallium			20.0	U	20.0	U	20.0	U			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Mercury	0.20	U	0.09	J	0.20	U	0.10	J	0.200	U	CV

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Mercury			0.20	U	0.20	U	0.20	U			CV

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Mercury			0.10	J							CV

Metals

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561ICP-AES Instrument ID: P4 ICS Source: INOR-VEN

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Aluminum	244100	241100	224000	91.8	228000	94.6				
Antimony	0	589	3.9		560	95.1				
Arsenic	0	101	10.5		100	99.0				
Barium	0	495	4.2		472	95.4				
Beryllium	0	475	0.97		459	96.6				
Cadmium	0	940	1.9		926	98.5				
Calcium	234900	231100	228000	97.1	232000	100.4				
Chromium	43	511	38.9	90.5	499	97.7				
Cobalt	0	461	4.2		462	100.2				
Copper	0	548	4.6		450	82.1				
Iron	95600	94800	88900	93.0	90600	95.6				
Lead	0	61	6.1		54.0	88.5				
Magnesium	247500	251100	241000	97.4	245000	97.6				
Manganese	19	502	19.0	100.0	485	96.6				
Nickel	0	984	17.3		947	96.2				
Potassium	0		11.6		32.1					
Selenium	0	53	11.0		54.4	102.6				
Silver	0	206	-0.22		199	96.6				
Sodium	0		745		755					
Thallium	0	103	-0.75		95.6	92.8				
Vanadium	0	494	3.0		452	91.5				
Zinc	0	1028	26.7		912	88.7				

Metals
4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
 ICP-MS Instrument ID: P4 ICS Source: INOR-VEN
 Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Aluminum	244100	241100	224000	91.8	228000	94.6
Antimony	0	589	3.9		560	95.1
Arsenic	0	101	10.5		100	99.0
Barium	0	495	4.2		472	95.4
Beryllium	0	475	0.97		459	96.6
Cadmium	0	940	1.9		926	98.5
Calcium	234900	231100	228000	97.1	232000	100.4
Chromium	43	511	38.9	90.5	499	97.7
Cobalt	0	461	4.2		462	100.2
Copper	0	548	4.6		450	82.1
Iron	95600	94800	88900	93.0	90600	95.6
Lead	0	61	6.1		54.0	88.5
Magnesium	247500	251100	241000	97.4	245000	97.6
Manganese	19	502	19.0	100.0	485	96.6
Nickel	0	984	17.3		947	96.2
Potassium	0		11.6		32.1	
Selenium	0	53	11.0		54.4	102.6
Silver	0	206	-0.22		199	96.6
Sodium	0		745		755	
Thallium	0	103	-0.75		95.6	92.8
Vanadium	0	494	3.0		452	91.5
Zinc	0	1028	26.7		912	88.7

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-6(18-20)S

Lab Name: Chemtech Consulting Group **Contract:** P.W. Grosser Consulting

Lab Code: CTECH **Case No.:** B1561 **NRAS No.:** B1561 **SDG NO.:** B1561

Matrix (soil/water): SOIL **Level (low/med):** LOW

% Solids for Sample: 94.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	34 - 153	0.2091		0.0106	U	0.21	99.6		CV

Comments:

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-6(18-20)SD

Lab Name: Chemtech Consulting Group **Contract:** P.W. Grosser Consulting

Lab Code: CTECH **Case No.:** B1561 **NRAS No.:** B1561 **SDG NO.:** B1561

Matrix (soil/water): SOIL **Level (low/med):** LOW

% Solids for Sample: 94.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	34 - 153	0.1964		0.0106	U	0.21	93.5		CV

Comments:

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-6(18-20)S

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1561

NRAS No.: B1561 SDG NO.: B1561

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 94.7

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	10 - 240	463.0518		269.9366		211.19	91.4		P
Antimony	47 - 131	76.8828		2.6399	U	84.48	91.0		P
Arsenic	73 - 114	78.8881		0.5459	J	84.48	92.7		P
Barium	39 - 158	65.0116		44.6357		21.12	96.5		P
Beryllium	79 - 112	18.5312		0.3168	U	21.12	87.7		P
Cadmium	73 - 114	19.0074		0.3168	U	21.12	90.0		P
Calcium	10 - 194	145.3221		43.5723	J	105.60	96.4		P
Chromium	68 - 122	46.5924		4.7075		42.24	99.2		P
Cobalt	68 - 119	19.5238		1.5839	U	21.12	92.4		P
Copper	59 - 132	31.0961		1.0391	J	31.68	94.9		P
Iron		1815.9450		1515.6280		316.79	94.8		P
Lead	66 - 125	100.7571		7.4329		105.60	88.4		P
Magnesium	10 - 208	283.8015		92.1436	J	211.19	90.8		P
Manganese	10 - 205	27.4351		6.8617		21.12	97.4		P
Nickel	64 - 129	49.0760		2.1119	U	52.80	92.9		P
Potassium	37 - 158	1074.8680		57.8807	J	1055.97	96.3		P
Selenium	69 - 105	183.6748		0.4541	J	211.19	86.8		P
Silver	54 - 131	7.0581		0.5280	U	7.92	89.1		P
Sodium	10 - 139	362.2176		68.2524	J	316.79	92.8		P
Thallium	74 - 116	183.2841		2.1119	U	211.19	86.8		P
Vanadium	67 - 127	31.0243		1.5259	J	31.68	93.1		P
Zinc	67 - 127	29.3960		10.2872		21.12	90.5		P

Comments:

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-6 (18-20) SD

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1561

NRAS No.: B1561 SDG NO.: B1561

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 94.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	10 - 240	459.1975		269.9366		211.19	89.6		P
Antimony	47 - 131	79.0792		2.6399	U	84.48	93.6		P
Arsenic	73 - 114	76.8691		0.5459	J	84.48	90.3		P
Barium	39 - 158	64.1985		44.6357		21.12	92.6		P
Beryllium	79 - 112	18.2017		0.3168	U	21.12	86.2		P
Cadmium	73 - 114	18.4414		0.3168	U	21.12	87.3		P
Calcium	10 - 194	140.7286		43.5723	J	105.60	92.0		P
Chromium	68 - 122	46.0803		4.7075		42.24	97.9		P
Cobalt	68 - 119	19.0243		1.5839	U	21.12	90.1		P
Copper	59 - 132	30.5766		1.0391	J	31.68	93.2		P
Iron		1819.9580		1515.6280		316.79	96.1		P
Lead	66 - 125	98.5312		7.4329		105.60	86.3		P
Magnesium	10 - 208	282.1436		92.1436	J	211.19	90.0		P
Manganese	10 - 205	27.1394		6.8617		21.12	96.0		P
Nickel	64 - 129	48.0412		2.1119	U	52.80	91.0		P
Potassium	37 - 158	1057.1280		57.8807	J	1055.97	94.6		P
Selenium	69 - 105	179.7783		0.4541	J	211.19	84.9		P
Silver	54 - 131	7.0771		0.5280	U	7.92	89.4		P
Sodium	10 - 139	351.5417		68.2524	J	316.79	89.4		P
Thallium	74 - 116	178.4161		2.1119	U	211.19	84.5		P
Vanadium	67 - 127	30.5766		1.5259	J	31.68	91.7		P
Zinc	67 - 127	29.2450		10.2872		21.12	89.8		P

Comments:

USEPA - CLP
6-IN
DUPLICATES

EPA SAMPLE NO.

SB-6(18-20)D

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG B1561
NO.:

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 94.7 % Solids for Duplicate: 94.7

Concentration Units: (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		269.9366	276.1141	2.3		P
Antimony		2.6399 U	2.6399 U			P
Arsenic		0.5459 J	0.3791 J	36.1		P
Barium		44.6357	45.4488	1.8		P
Beryllium		0.3168 U	0.3168 U			P
Cadmium		0.3168 U	0.3168 U			P
Calcium		43.5723 J	45.1172 J	3.5		P
Chromium		4.7075	4.9303	4.6		P
Cobalt		1.5839 U	1.5839 U			P
Copper		1.0391 J	1.0433 J	0.4		P
Iron		1515.6280	1536.1140	1.3		P
Lead		7.4329	7.2724	2.2		P
Magnesium		92.1436 J	92.5143 J	0.4		P
Manganese		6.8617	6.9525	1.3		P
Mercury		0.0106 U	0.0106 U			CV
Nickel		2.1119 U	2.1119 U			P
Potassium		57.8807 J	57.6684 J	0.4		P
Selenium		0.4541 J	0.6420 J	34.3		P
Silver		0.5280 U	0.5280 U			P
Sodium		68.2524 J	69.1795 J	1.3		P
Thallium		2.1119 U	2.1119 U			P
Vanadium		1.5259 J	1.5322 J	0.4		P
Zinc	2.1119	10.2872	10.5660	2.7		P

USEPA - CLP
6-IN
DUPLICATES

EPA SAMPLE NO.

SB-6(18-20)SD

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG B1561
NO.:
Matrix (soil/water): SOIL Level (low/med): LOW
% Solids for Sample: 94.7 % Solids for Duplicate: 94.7
Concentration Units: (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Mercury		0.2091	0.1964	6.3		CV

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

SB-6(18-20)SD

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECHCase No.: B1561NRAS No.: B1561SDG B1561

NO.:

Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 94.7% Solids for Duplicate: 94.7

Concentration Units:(ug/L or mg/kg dry weight):

MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		463.0518	459.1975	0.8		P
Antimony		76.8828	79.0792	2.8		P
Arsenic		78.8881	76.8691	2.6		P
Barium		65.0116	64.1985	1.3		P
Beryllium		18.5312	18.2017	1.8		P
Cadmium		19.0074	18.4414	3.0		P
Calcium		145.3221	140.7286	3.2		P
Chromium		46.5924	46.0803	1.1		P
Cobalt		19.5238	19.0243	2.6		P
Copper		31.0961	30.5766	1.7		P
Iron		1815.9450	1819.9580	0.2		P
Lead		100.7571	98.5312	2.2		P
Magnesium		283.8015	282.1436	0.6		P
Manganese		27.4351	27.1394	1.1		P
Nickel		49.0760	48.0412	2.1		P
Potassium		1074.8680	1057.1280	1.7		P
Selenium		183.6748	179.7783	2.1		P
Silver		7.0581	7.0771	0.3		P
Sodium		362.2176	351.5417	3.0		P
Thallium		183.2841	178.4161	2.7		P
Vanadium		31.0243	30.5766	1.5		P
Zinc		29.3960	29.2450	0.5		P

Metals

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1561 NRAS No: B1561 SDG NO.: B1561

Solid LCS Source: INOR-VEN

Aqueous LCS Source: INOR-VEN

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Aluminum	2000.0	1747.90	87.4	200.0	175.3		76.0	118.0	87.6
Antimony	800.0	749.66	93.7	80.0	74.0		81.0	112.0	92.5
Arsenic	800.0	746.42	93.3	80.0	73.7		82.0	112.0	92.1
Barium	200.0	191.88	95.9	20.0	19.1		83.0	118.0	95.5
Beryllium	200.0	179.13	89.6	20.0	17.9		84.0	113.0	89.5
Cadmium	200.0	181.88	90.9	20.0	18.0		82.0	117.0	90.0
Calcium	1000.0	943.47	94.3	100.0	95.2	J	78.0	138.0	95.2
Chromium	400.0	397.78	99.4	40.0	39.2		84.0	115.0	98.0
Cobalt	200.0	184.15	92.1	20.0	18.3		84.0	114.0	91.5
Copper	300.0	288.04	96.0	30.0	29.1		80.0	115.0	97.0
Iron	3000.0	2893.60	96.5	300.0	289.6		78.0	109.0	96.5
Lead	1000.0	897.67	89.8	100.0	88.1		82.0	117.0	88.1
Magnesium	2000.0	1851.10	92.6	200.0	184.3		80.0	121.0	92.2
Manganese	200.0	193.40	96.7	20.0	19.5		84.0	114.0	97.5
Mercury	4.000	4.400	110.0	0.200	0.193		73.0	121.0	96.5
Nickel	500.0	465.85	93.2	50.0	46.2		85.0	118.0	92.4
Potassium	10000.0	9535.80	95.4	1000.0	954.1		67.0	116.0	95.4
Selenium	2000.0	1777.40	88.9	200.0	174.3		74.0	110.0	87.2
Silver	75.0	69.27	92.4	7.5	6.9		81.0	123.0	92.0
Sodium	3000.0	2753.10	91.8	300.0	274.8		70.0	135.0	91.6
Thallium	2000.0	1738.60	86.9	200.0	172.1		86.0	119.0	86.0
Vanadium	300.0	280.04	93.3	30.0	27.6		84.0	113.0	92.0
Zinc	200.0	185.80	92.9	20.0	18.5		88.0	127.0	92.5

Metals

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

SB-6(18-20)L

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH

Case No.: B1561

NRAS No.: B1561

SDG NO.: B1561

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Difference	Q	M
Aluminum	2556.30		C	2712.20		C	6.1		P
Antimony	25.00	U		125.00	U				P
Arsenic	5.17	J		50.00	U		100.0		P
Barium	422.70			433.25			2.5		P
Beryllium	3.00	U		15.00	U				P
Cadmium	3.00	U		15.00	U				P
Calcium	412.63	J		471.80	J		14.3		P
Chromium	44.58			42.50			4.7		P
Cobalt	15.00	U		75.00	U				P
Copper	9.84	J		50.00	U		100.0		P
Iron	14353.00			14661.50			2.1		P
Lead	70.39			67.85			3.6		P
Magnesium	872.60	J		1061.70	J		21.7		P
Manganese	64.98			66.75			2.7		P
Mercury	0.20	U		1.00	U				CV
Nickel	20.00	U		100.00	U				P
Potassium	548.13	J		607.20	J		10.8		P
Selenium	10.00	U		50.00	U				P
Silver	5.00	U		25.00	U				P
Sodium	646.35	J		680.85	J		5.3		P
Thallium	20.00	U		100.00	U				P
Vanadium	14.45	J		100.00	U		100.0		P
Zinc	97.42			101.35			4.0		P

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/09/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/10/10
Client Sample ID:	SB-4(18-20)	SDG No.:	B1561
Lab Sample ID:	B1561-04	Matrix:	SOIL
		% Solid:	95.1

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.526	U	1	0.526	0.526	mg/Kg	03/12/10	03/12/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/09/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/10/10
Client Sample ID:	SB-5(14-16)	SDG No.:	B1561
Lab Sample ID:	B1561-05	Matrix:	SOIL
		% Solid:	94

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.532	U	1	0.532	0.532	mg/Kg	03/12/10	03/12/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/09/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/10/10
Client Sample ID:	SB-5(18-20)	SDG No.:	B1561
Lab Sample ID:	B1561-06	Matrix:	SOIL
		% Solid:	96.5

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.518	U	1	0.518	0.518	mg/Kg	03/12/10	03/12/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/09/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/10/10
Client Sample ID:	SB-6(14-16)	SDG No.:	B1561
Lab Sample ID:	B1561-07	Matrix:	SOIL
		% Solid:	93.7

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.534	U	1	0.534	0.534	mg/Kg	03/12/10	03/12/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/09/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/10/10
Client Sample ID:	SB-6(18-20)	SDG No.:	B1561
Lab Sample ID:	B1561-08	Matrix:	SOIL
		% Solid:	94.7

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.528	U	1	0.528	0.528	mg/Kg	03/12/10	03/12/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/09/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/10/10
Client Sample ID:	SB-7(14-16)	SDG No.:	B1561
Lab Sample ID:	B1561-11	Matrix:	SOIL
		% Solid:	94.1

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.531	U	1	0.531	0.531	mg/Kg	03/12/10	03/12/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/09/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/10/10
Client Sample ID:	SB-7(18-20)	SDG No.:	B1561
Lab Sample ID:	B1561-12	Matrix:	SOIL
		% Solid:	97.1

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.515	U	1	0.515	0.515	mg/Kg	03/12/10	03/12/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/09/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/10/10
Client Sample ID:	DUP-02	SDG No.:	B1561
Lab Sample ID:	B1561-13	Matrix:	SOIL
		% Solid:	92.2

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.542	U	1	0.542	0.542	mg/Kg	03/12/10	03/12/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/09/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/10/10
Client Sample ID:	FIELDBLANK(3-9-10)	SDG No.:	B1561
Lab Sample ID:	B1561-14	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.01	U	1	0.01	0.01	mg/L	03/12/10	03/12/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Initial and Continuing Calibration Blank Summary

Client: P.W. Grosser Consulting

SDG No.: B1561

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: Cyanide	CCB1	mg/L	< 0.010	+/-0.010	U	0.010	03/12/2010
Sample ID: Cyanide	CCB2	mg/L	< 0.010	+/-0.010	U	0.010	03/12/2010
Sample ID: Cyanide	CCB3	mg/L	< 0.010	+/-0.010	U	0.010	03/12/2010
Sample ID: Cyanide	CCB4	mg/L	< 0.010	+/-0.010	U	0.010	03/12/2010
Sample ID: Cyanide	ICB1	mg/L	< 0.010	+/-0.010	U	0.010	03/12/2010
Sample ID: Cyanide	ICB2	mg/L	< 0.010	+/-0.010	U	0.010	03/12/2010



Preparation Blank Summary

Client: P.W. Grosser Consulting

SDG No.: B1561

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: Cyanide	PBS1	mg/Kg	< 0.500	+/-0.500	U	0.500	03/12/2010
Sample ID: Cyanide	PBW1	mg/L	< 0.010	+/-0.010	U	0.010	03/12/2010



Matrix Spike Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1561
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1561-08
Client ID:	B1561-08S	Percent Solids for Spike Sample:	94.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	80-120	4.620		0.528	U	5.27	1	87.6		03/12/2010

Matrix Spike Summary

Client:

P.W. Grosser Consulting

Project:

Ronkonkona Wallpaper- Suffolk County

Client ID:

B1561-08SD

SDG No.:

B1561

Sample ID:

B1561-08

Percent Solids for Spike Sample:

94.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	80-120	4.770		0.528	U	5.27	1	90.5		03/12/2010



Duplicate Sample Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1561
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1561-08
Client ID:	B1561-08SD	Percent Solids for Spike Sample:	94.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	4.62		4.770		1	3.2		03/12/2010



Laboratory Control Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1561

Project:

Ronkonkona Wallpaper- Suffolk County

Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSS1							
Cyanide	mg/Kg	10.000	10.100		101.0	1	80-120	03/12/2010



Laboratory Control Sample Summary

Client: P.W. Grosser Consulting

SDG No.: B1561

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSW1								
Cyanide		mg/L	0.100	0.098		98.0	1	80-120	03/12/2010

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : RONKONKONA WALLPAPER- SUFFOLK COUNTY

P.W. GROSSER CONSULTING

630 Johnson Ave.

Suite 7

Bohemia , NY - 11716

Phone No: 6315896353

ORDER ID : B1659

ATTENTION : Zeb Youngman

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
DW-3	B1659-01	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
DUP-03	B1659-04	8260B	8270C			6010B, 7471A	9012A, Chemtech - SOP
FIELDBLANK (3-18-10)	B1659-05	8260B	8270C			6010B, 7470A	9012A
TRIPBLANK	B1659-06	8260B					

**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
B1659-01	SOIL	03/18/10	03/19/10	03/19/10	03/19/10
B1659-04	SOIL	03/18/10	03/19/10	03/19/10	03/20/10
B1659-05	WATER	03/18/10	03/19/10	03/22/10	03/22/10

* Details For Test :SVOCMS Group1

**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
B1659-01	SOIL	03/18/10	03/19/10		03/22/10
B1659-04	SOIL	03/18/10	03/19/10		03/22/10
B1659-05	WATER	03/18/10	03/19/10		03/27/10
B1659-06	WATER	03/03/10	03/19/10		03/27/10

* Details For Test :VOCMS Group1

**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
B1659-01	Solid	8260B	5035		
B1659-02	Solid	8260B	5035		
B1659-03	Solid	8260B	5035		
B1659-04	Solid	8260B	5035		
B1659-05	Water	8260B	5030		
B1659-06	Water	8260B	5030		

**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
B1659-01	Solid	8270C	3541		
B1659-02	Solid	8270C	3541		
B1659-03	Solid	8270C	3541		
B1659-04	Solid	8270C	3541		
B1659-05	Water	8270C	3510C		

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IV

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1659-01	SOIL	Mercury	03/19/10	03/19/10	03/22/10
B1659-04	SOIL	Mercury	03/19/10	03/19/10	03/22/10
B1659-05	WATER	Mercury	03/19/10	03/24/10	03/25/10

* 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	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1659-01	SOIL	Metals ICP- Group1	03/19/10	03/22/10	03/23/10
B1659-04	SOIL	Metals ICP- Group1	03/19/10	03/22/10	03/23/10
B1659-05	WATER	Metals ICP- Group1	03/19/10	03/22/10	03/23/10

* Details For Test :Metals ICP-Group1



Cover Page

Order ID : B1659

Project ID : Ronkonkona Wallpaper- Suffolk County

Client : P.W. Grosser Consulting

Lab Sample Number

B1659-01
B1659-02
B1659-03
B1659-04
B1659-05
B1659-06

Client Sample Number

DW-3
B1659-01MS
B1659-01MSD
DUP-03
FIELDBLANK(3-18-10)
TRIPBLANK

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 : _____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1659

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 3/19/10.

2 Water samples were received on 3/19/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1, and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA K were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator. The analysis performed on instrument MSVOA G were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis performed on instrument MSVOA E were done using GC column RTX-VMS which is 60 meters, 0.25 ID, 1.40 df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.

The analysis of VOCMS Group1 was based on method 8260.

D. QA/ QC Samples:

The Holding Times were met for all analysis except for TRIPBLANK.

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 except for 1,2,4-Trimethylbenzene, sec-Butylbenzene, p-Isopropyltoluene, 1,3,-Dichlorobenzene, 1,4-Dichlorobenzene, n-Butylbenzene, 1,2,4-Trichlorobenzene, 1,2,4,5-Tetramethylbenzene and Trichloroethene.

The MSD recoveries met the acceptable requirements except for Toluene, 1,2,4-Trimethylbenzene, sec-Butylbenzene, p-Isopropyltoluene, 1,2,4-Trichlorobenzene, 4-Ethyltoluene, Trichloroethene and tert-Butylbenzene.

The RPD recoveries met criteria except for Toluene, 1,3,-Dichlorobenzene, 1,4-Dichlorobenzene and 1,2,3-Trichlorobenzene.

The Blank Spike met requirements for all samples.

The Blank analysis indicated presence of Methylene Chloride(2.2ug/kg, File ID:VK038151.D) due to possible lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82E030910W.M) for 1,1-Dichloroethane, 2-Butanone, cis-1,2-dichloroethene , Bromochloromethane , Benzene , Toluene , Ethylbenzene ,O-Xylene, Styrene , 1,3,5-Trimethylbenzene , sec-Butylbenzene and n-Butylbenzene . These compounds are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor.

The %RSD is greater than 15% in the Initial Calibration (Method 82G032710W.M) for Dichlorodifluoromethane , Chloroethane ,Acetone, Dibromochloromethane , 1,2-Dibromo-3-chloropropane and Hexachlorobutadiene. These compounds are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor.

The %RSD is greater than 15% in the Initial Calibration (Method 82K032210W.M) for Chloroethane 1,1-Dichloroethane, Acetone, Methylene Chloride . These compounds are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor.

The Continuing Calibration (File ID:VE017487.D Method 82E030910W.M) met the requirements except for Dichlorodifluoromethane, Trichlorofluoromethane and Tetrachloroethene but they were not detected in Samples.

The Continuing Calibration (File ID:VK038169.D Method 82K032210W.M) met the requirements except for Chloroethane but it was not detected in Samples.

The Tuning criteria met requirements.

Samples DW-3 and DUP-03 were diluted due to high concentrations.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1659

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 3/19/10.

2 Water samples were received on 3/19/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1, and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.

The analysis of SVOCMS Group1 was based on method 8270 and extraction was done based on method 3541 and 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 met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Tuning criteria met requirements.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1659

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 3/19/10.

2 Water samples were received on 3/19/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1, and VOCMS Group1. This data package contains results for Metals ICP-Group1 and Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-Group1 was based on method 6010B and Mercury was based on method 7470A/7471A.

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 met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements except for Chromium and Copper.

E. Additional Comments:

CCB05 is failing for Lead (time 13:26) at 9:17 ppb.

Sample DW-3 was diluted due to high concentration for Lead.

Sample DUP-03 was diluted due to high concentration for Chromium and Lead.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1659

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 3/19/10.

2 Water samples were received on 3/19/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1, and VOCMS Group1. This data package contains results for Cyanide.

C. Analytical Techniques:

The analysis of Cyanide was based on method 9012A.

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 did not meet for Cyanide due to matrix interference.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

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_____



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-01Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038153.DLevel: (low/med) LOW Date Received: 03/19/10% Moisture: not dec. 57 Date Analyzed: 03/22/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	79	
1634-04-4	Methyl tert-butyl Ether	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
78-93-3	2-Butanone	58	U
56-23-5	Carbon Tetrachloride	12	U
594-20-7	2,2-Dichloropropane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
74-97-5	Bromochloromethane	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
563-58-6	1,1-Dichloropropene	12	U
71-43-2	Benzene	4.7	J
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
74-95-3	Dibromomethane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	58	U
108-88-3	Toluene	100	



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-01Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038153.DLevel: (low/med) LOW Date Received: 03/19/10% Moisture: not dec. 57 Date Analyzed: 03/22/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
142-28-9	1,3-Dichloropropane	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
630-20-6	1,1,1,2-Tetrachloroethane	12	U
100-41-4	Ethyl Benzene	4.1	J
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
96-18-4	1,2,3-Trichloropropane	12	U
108-86-1	Bromobenzene	12	U
103-65-1	n-propylbenzene	12	U
95-49-8	2-Chlorotoluene	12	U
108-67-8	1,3,5-Trimethylbenzene	2.9	J
106-43-4	4-Chlorotoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	12	U
135-98-8	sec-Butylbenzene	12	U
99-87-6	p-Isopropyltoluene	1700	E
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-01Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038153.DLevel: (low/med) LOW Date Received: 03/19/10% Moisture: not dec. 57 Date Analyzed: 03/22/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

120-82-1	1,2,4-Trichlorobenzene	12	U
87-68-3	Hexachlorobutadiene	12	U
91-20-3	Naphthalene	19	
87-61-6	1,2,3-Trichlorobenzene	12	U
95-93-2	1,2,4,5-tetramethylbenzene	12	U
105-05-5	p-diethylbenzene	12	U
622-96-8	p-ethyltoluene	12	U
1330-20-7	Total Xylenes	11.6	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3DL

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: B1659-01DL

Sample wt/vol: 5 (g/mL) g Lab File ID: VE017495.D

Level: (low/med) MED Date Received: 03/19/10

% Moisture: not dec. 57 Date Analyzed: 03/23/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-69-4	Trichlorofluoromethane	1200	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1200	U
75-35-4	1,1-Dichloroethene	1200	U
67-64-1	Acetone	5800	U
1634-04-4	Methyl tert-butyl Ether	1200	U
75-09-2	Methylene Chloride	1200	U
156-60-5	trans-1,2-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
78-93-3	2-Butanone	5800	U
56-23-5	Carbon Tetrachloride	1200	U
594-20-7	2,2-Dichloropropane	1200	U
156-59-2	cis-1,2-Dichloroethene	1200	U
74-97-5	Bromochloromethane	1200	U
67-66-3	Chloroform	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
563-58-6	1,1-Dichloropropene	1200	U
71-43-2	Benzene	1200	U
107-06-2	1,2-Dichloroethane	1200	U
79-01-6	Trichloroethene	1200	U
78-87-5	1,2-Dichloropropane	1200	U
74-95-3	Dibromomethane	1200	U
75-27-4	Bromodichloromethane	1200	U
108-10-1	4-Methyl-2-Pentanone	5800	U
108-88-3	Toluene	370	JD
10061-02-6	t-1,3-Dichloropropene	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3DL

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-01DLSample wt/vol: 5 (g/mL) g Lab File ID: VE017495.DLevel: (low/med) MED Date Received: 03/19/10% Moisture: not dec. 57 Date Analyzed: 03/23/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

79-00-5	1,1,2-Trichloroethane	1200	U
142-28-9	1,3-Dichloropropane	1200	U
124-48-1	Dibromochloromethane	1200	U
106-93-4	1,2-Dibromoethane	1200	U
127-18-4	Tetrachloroethene	1200	U
108-90-7	Chlorobenzene	1200	U
630-20-6	1,1,1,2-Tetrachloroethane	1200	U
100-41-4	Ethyl Benzene	1200	U
100-42-5	Styrene	1200	U
75-25-2	Bromoform	1200	U
98-82-8	Isopropylbenzene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
96-18-4	1,2,3-Trichloropropane	1200	U
108-86-1	Bromobenzene	1200	U
103-65-1	n-propylbenzene	1200	U
95-49-8	2-Chlorotoluene	1200	U
108-67-8	1,3,5-Trimethylbenzene	1200	U
106-43-4	4-Chlorotoluene	1200	U
98-06-6	tert-Butylbenzene	1200	U
95-63-6	1,2,4-Trimethylbenzene	1200	U
135-98-8	sec-Butylbenzene	1200	U
99-87-6	p-Isopropyltoluene	34000	D
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
104-51-8	n-Butylbenzene	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
96-12-8	1,2-Dibromo-3-Chloropropane	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
87-68-3	Hexachlorobutadiene	1200	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3DL

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-01DLSample wt/vol: 5 (g/mL) g Lab File ID: VE017495.DLevel: (low/med) MED Date Received: 03/19/10% Moisture: not dec. 57 Date Analyzed: 03/23/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

91-20-3	Naphthalene	340	JD
87-61-6	1,2,3-Trichlorobenzene	1200	U
1330-20-7	Total Xylenes	3500	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-03

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-04Sample wt/vol: 5 (g/mL) g Lab File ID: VK038154.DLevel: (low/med) LOW Date Received: 03/19/10% Moisture: not dec. 56 Date Analyzed: 03/22/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichlorotrifluoroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
67-64-1	Acetone	80	
1634-04-4	Methyl tert-butyl Ether	11	U
75-09-2	Methylene Chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
78-93-3	2-Butanone	57	U
56-23-5	Carbon Tetrachloride	11	U
594-20-7	2,2-Dichloropropane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
74-97-5	Bromochloromethane	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
563-58-6	1,1-Dichloropropene	11	U
71-43-2	Benzene	9.7	J
107-06-2	1,2-Dichloroethane	11	U
79-01-6	Trichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
74-95-3	Dibromomethane	11	U
75-27-4	Bromodichloromethane	11	U
108-10-1	4-Methyl-2-Pentanone	57	U
108-88-3	Toluene	250	



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-03

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-04Sample wt/vol: 5 (g/mL) g Lab File ID: VK038154.DLevel: (low/med) LOW Date Received: 03/19/10% Moisture: not dec. 56 Date Analyzed: 03/22/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
142-28-9	1,3-Dichloropropane	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
127-18-4	Tetrachloroethene	11	U
108-90-7	Chlorobenzene	11	U
630-20-6	1,1,1,2-Tetrachloroethane	11	U
100-41-4	Ethyl Benzene	20	
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	15	
79-34-5	1,1,2,2-Tetrachloroethane	11	U
96-18-4	1,2,3-Trichloropropane	11	U
108-86-1	Bromobenzene	11	U
103-65-1	n-propylbenzene	24	
95-49-8	2-Chlorotoluene	11	U
108-67-8	1,3,5-Trimethylbenzene	28	
106-43-4	4-Chlorotoluene	11	U
98-06-6	tert-Butylbenzene	11	U
95-63-6	1,2,4-Trimethylbenzene	230	
135-98-8	sec-Butylbenzene	11	U
99-87-6	p-Isopropyltoluene	8900	E
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	5.7	J
104-51-8	n-Butylbenzene	11	U
95-50-1	1,2-Dichlorobenzene	13	
96-12-8	1,2-Dibromo-3-Chloropropane	11	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-03

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-04Sample wt/vol: 5 (g/mL) g Lab File ID: VK038154.DLevel: (low/med) LOW Date Received: 03/19/10% Moisture: not dec. 56 Date Analyzed: 03/22/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

120-82-1	1,2,4-Trichlorobenzene	11	U
87-68-3	Hexachlorobutadiene	11	U
91-20-3	Naphthalene	66	
87-61-6	1,2,3-Trichlorobenzene	11	U
95-93-2	1,2,4,5-tetramethylbenzene	29	
105-05-5	p-diethylbenzene	11	U
622-96-8	p-ethyltoluene	68	
1330-20-7	Total Xylenes	58	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-03DL

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: B1659-04DL

Sample wt/vol: 5 (g/mL) g Lab File ID: VE017493.D

Level: (low/med) MED Date Received: 03/19/10

% Moisture: not dec. 56 Date Analyzed: 03/23/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	1100	U
75-01-4	Vinyl Chloride	1100	U
75-00-3	Chloroethane	1100	U
75-69-4	Trichlorofluoromethane	1100	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1100	U
75-35-4	1,1-Dichloroethene	1100	U
67-64-1	Acetone	5700	U
1634-04-4	Methyl tert-butyl Ether	1100	U
75-09-2	Methylene Chloride	1100	U
156-60-5	trans-1,2-Dichloroethene	1100	U
75-34-3	1,1-Dichloroethane	1100	U
78-93-3	2-Butanone	5700	U
56-23-5	Carbon Tetrachloride	1100	U
594-20-7	2,2-Dichloropropane	1100	U
156-59-2	cis-1,2-Dichloroethene	1100	U
74-97-5	Bromochloromethane	1100	U
67-66-3	Chloroform	1100	U
71-55-6	1,1,1-Trichloroethane	1100	U
563-58-6	1,1-Dichloropropene	1100	U
71-43-2	Benzene	1100	U
107-06-2	1,2-Dichloroethane	1100	U
79-01-6	Trichloroethene	1100	U
78-87-5	1,2-Dichloropropane	1100	U
74-95-3	Dibromomethane	1100	U
75-27-4	Bromodichloromethane	1100	U
108-10-1	4-Methyl-2-Pentanone	5700	U
108-88-3	Toluene	180	JD
10061-02-6	t-1,3-Dichloropropene	1100	U
10061-01-5	cis-1,3-Dichloropropene	1100	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-03DL

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-04DLSample wt/vol: 5 (g/mL) g Lab File ID: VE017493.DLevel: (low/med) MED Date Received: 03/19/10% Moisture: not dec. 56 Date Analyzed: 03/23/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

79-00-5	1,1,2-Trichloroethane	1100	U
142-28-9	1,3-Dichloropropane	1100	U
124-48-1	Dibromochloromethane	1100	U
106-93-4	1,2-Dibromoethane	1100	U
127-18-4	Tetrachloroethene	1100	U
108-90-7	Chlorobenzene	1100	U
630-20-6	1,1,1,2-Tetrachloroethane	1100	U
100-41-4	Ethyl Benzene	1100	U
100-42-5	Styrene	1100	U
75-25-2	Bromoform	1100	U
98-82-8	Isopropylbenzene	450	JD
79-34-5	1,1,2,2-Tetrachloroethane	1100	U
96-18-4	1,2,3-Trichloropropane	1100	U
108-86-1	Bromobenzene	1100	U
103-65-1	n-propylbenzene	1100	U
95-49-8	2-Chlorotoluene	1100	U
108-67-8	1,3,5-Trimethylbenzene	1100	U
106-43-4	4-Chlorotoluene	1100	U
98-06-6	tert-Butylbenzene	1100	U
95-63-6	1,2,4-Trimethylbenzene	1100	U
135-98-8	sec-Butylbenzene	1100	U
99-87-6	p-Isopropyltoluene	21000	D
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
104-51-8	n-Butylbenzene	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
96-12-8	1,2-Dibromo-3-Chloropropane	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
87-68-3	Hexachlorobutadiene	1100	U



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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-03DL

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-04DLSample wt/vol: 5 (g/mL) g Lab File ID: VE017493.DLevel: (low/med) MED Date Received: 03/19/10% Moisture: not dec. 56 Date Analyzed: 03/23/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

91-20-3	Naphthalene	250	JD
87-61-6	1,2,3-Trichlorobenzene	1100	U
1330-20-7	Total Xylenes	3400	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDBLANK(3-18-10)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): WATER Lab Sample ID: B1659-05Sample wt/vol: 5 (g/mL) ml Lab File ID: VG026425.DLevel: (low/med) Date Received: 03/19/10% Moisture: not dec. 100 Date Analyzed: 03/27/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5.2	
1634-04-4	Methyl tert-butyl Ether	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDBLANK(3-18-10)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): WATER Lab Sample ID: B1659-05Sample wt/vol: 5 (g/mL) ml Lab File ID: VG026425.DLevel: (low/med) _____ Date Received: 03/19/10% Moisture: not dec. 100 Date Analyzed: 03/27/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

79-00-5	1,1,2-Trichloroethane	1	U
142-28-9	1,3-Dichloropropane	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethyl Benzene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDBLANK(3-18-10)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): WATER Lab Sample ID: B1659-05Sample wt/vol: 5 (g/mL) ml Lab File ID: VG026425.DLevel: (low/med) Date Received: 03/19/10% Moisture: not dec. 100 Date Analyzed: 03/27/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
95-93-2	1,2,4,5-Tetramethylbenzene	1	U
105-05-5	p-diethylbenzene	1	U
622-96-8	p-ethyltoluene	1	U
1330-20-7	Total Xylenes	3	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): WATER Lab Sample ID: B1659-06

Sample wt/vol: 5 (g/mL) ml Lab File ID: VG026424.D

Level: (low/med) Date Received: 03/19/10

% Moisture: not dec. 100 Date Analyzed: 03/27/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
1634-04-4	Methyl tert-butyl Ether	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): WATER Lab Sample ID: B1659-06

Sample wt/vol: 5 (g/mL) ml Lab File ID: VG026424.D

Level: (low/med) Date Received: 03/19/10

% Moisture: not dec. 100 Date Analyzed: 03/27/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

79-00-5	1,1,2-Trichloroethane	1	U
142-28-9	1,3-Dichloropropane	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethyl Benzene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): WATER Lab Sample ID: B1659-06Sample wt/vol: 5 (g/mL) ml Lab File ID: VG026424.DLevel: (low/med) _____ Date Received: 03/19/10% Moisture: not dec. 100 Date Analyzed: 03/27/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
95-93-2	1,2,4,5-Tetramethylbenzene	1	U
105-05-5	p-diethylbenzene	1	U
622-96-8	p-ethyltoluene	1	U
1330-20-7	Total Xylenes	3	U

Hit Summary Sheet

SW-846

SDG No.: B1659

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	DUP-03							
B1659-04	DUP-03	SOIL	Acetone	80.00		57	6.9	ug/Kg
B1659-04	DUP-03	SOIL	Benzene	9.70	J	11	0.86	ug/Kg
B1659-04	DUP-03	SOIL	Toluene	250.00		11	1.5	ug/Kg
B1659-04	DUP-03	SOIL	Ethyl Benzene	20.00		11	1.4	ug/Kg
B1659-04	DUP-03	SOIL	Isopropylbenzene	15.00		11	1.1	ug/Kg
B1659-04	DUP-03	SOIL	n-propylbenzene	24.00		11	0.82	ug/Kg
B1659-04	DUP-03	SOIL	1,3,5-Trimethylbenzene	28.00		11	1.0	ug/Kg
B1659-04	DUP-03	SOIL	1,2,4-Trimethylbenzene	230.00		11	1.1	ug/Kg
B1659-04	DUP-03	SOIL	p-Isopropyltoluene	8,900.00	E	11	0.66	ug/Kg
B1659-04	DUP-03	SOIL	1,4-Dichlorobenzene	5.70	J	11	0.93	ug/Kg
B1659-04	DUP-03	SOIL	1,2-Dichlorobenzene	13.00		11	1.4	ug/Kg
B1659-04	DUP-03	SOIL	Naphthalene	66.00		11	1.0	ug/Kg
B1659-04	DUP-03	SOIL	1,2,4,5-tetramethylbenzene	29.00		11	11	ug/Kg
B1659-04	DUP-03	SOIL	p-ethyltoluene	68.00		11	11	ug/Kg
B1659-04	DUP-03	SOIL	Total Xylenes	58.00		34.1	3.2	ug/Kg
Total Voc :				9,796.40				
Total Concentration:				9,796.40				
Client ID:	DUP-03DL							
B1659-04DL	DUP-03DL	SOIL	Toluene	180.00	JD	1100	84	ug/Kg
B1659-04DL	DUP-03DL	SOIL	Isopropylbenzene	450.00	JD	1100	100	ug/Kg
B1659-04DL	DUP-03DL	SOIL	p-Isopropyltoluene	21,000.00	D	1100	98	ug/Kg
B1659-04DL	DUP-03DL	SOIL	Naphthalene	250.00	JD	1100	150	ug/Kg
Total Voc :				21,880.00				
Total Concentration:				21,880.00				
Client ID:	DW-3							
B1659-01	DW-3	SOIL	Acetone	79.00		58	7.0	ug/Kg
B1659-01	DW-3	SOIL	Benzene	4.70	J	12	0.88	ug/Kg
B1659-01	DW-3	SOIL	Toluene	100.00		12	1.5	ug/Kg
B1659-01	DW-3	SOIL	Ethyl Benzene	4.10	J	12	1.4	ug/Kg
B1659-01	DW-3	SOIL	1,3,5-Trimethylbenzene	2.90	J	12	1.0	ug/Kg
B1659-01	DW-3	SOIL	p-Isopropyltoluene	1,700.00	E	12	0.67	ug/Kg
B1659-01	DW-3	SOIL	Naphthalene	19.00		12	1.0	ug/Kg
B1659-01	DW-3	SOIL	Total Xylenes	11.60	J	34.7	3.2	ug/Kg
Total Voc :				1,921.30				
Total Concentration:				1,921.30				
Client ID:	DW-3DL							
B1659-01DL	DW-3DL	SOIL	Toluene	370.00	JD	1200	86	ug/Kg
B1659-01DL	DW-3DL	SOIL	p-Isopropyltoluene	34,000.00	D	1200	100	ug/Kg
B1659-01DL	DW-3DL	SOIL	Naphthalene	340.00	JD	1200	160	ug/Kg



Hit Summary Sheet
SW-846

SDG No.: B1659
Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Total Voc :					34,710.00			
Total Concentration:					34,710.00			
Client ID: B1659-05	FIELDBLANK(3-18-10) FIELDBLANK(3-18-10)	WATER	Acetone	5.20		5.0	2.8	ug/L
Total Voc :					5.20			
Total Concentration:					5.20			

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM CASE No.: B1659 SAS No.: B1659 SDG NO.: B1659

Level: (low/med) MED

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBE0323M1	101	105	105	115	0
02	BSE0323M1	107	104	104	115	0
03	DUP-03DL	105	102	106	114	0
04	DW-3DL	96	97	102	107	0

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBG0327W2	88	99	91	92	0
02	BSG0327W1	93	96	93	94	0
03	TRIPBLANK	96	110	88	91	0
04	FIELDBLANK(3-18-10)	94	102	90	92	0
05	GE-MW-58-1DMS	106	100	96	98	0
06	GE-MW-58-1DMSD	102	101	93	95	0

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBK0322S1	81	96	92	89	0
02	BSK0322S1	84	96	93	95	0
03	DW-3	76	94	89	84	0
04	DUP-03	72	92	89	80	0
05	VBK0324S1	83	95	90	89	0
06	BSK0324S1	89	100	95	98	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (55-158)

SMC2 (DBFM) =Dibromofluoromethane (53-156)

SMC3 (TOL) =Toluene-d8 (68-122)

SMC4 (BFB) =4-Bromofluorobenzene (25-144)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM CASE No.: B1659 SAS No.: B1659 SDG NO.: B1659Level: (low/med) LOW

07	DW-3MS	72	92	90	75	0
08	DW-3MSD	71	91	95	79	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (55-158)
SMC2 (DBFM) =Dibromofluoromethane (53-156)
SMC3 (TOL) =Toluene-d8 (68-122)
SMC4 (BFB) =4-Bromofluorobenzene (25-144)

Column to be used to flag recovery values
* Values outside of contract required QC Limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : B1659-02

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	116	0	110	95	(42-151)
Vinyl Chloride	116	0	110	95	(48-144)
Chloroethane	116	0	140	121	(39-165)
Trichlorofluoromethane	116	0	130	112	(46-159)
1,1,2-Trichlorotrifluoroethane	116	0	110	95	(59-140)
1,1-Dichloroethene	116	0	140	121	(54-143)
Acetone	581	79	360	48	(31-158)
Methyl tert-butyl Ether	116	0	90	78	(56-146)
Methylene Chloride	116	0	110	95	(51-144)
trans-1,2-Dichloroethene	116	0	140	121	(60-135)
1,1-Dichloroethane	116	0	120	103	(62-143)
2-Butanone	581	0	330	57	(40-157)
Carbon Tetrachloride	116	0	120	103	(63-135)
2,2-Dichloropropane	116	0	110	95	(53-144)
cis-1,2-Dichloroethene	116	0	120	103	(62-133)
Bromochloromethane	116	0	110	95	(59-140)
Chloroform	116	0	110	95	(66-138)
1,1,1-Trichloroethane	116	0	120	103	(64-139)
1,1-Dichloropropene	116	0	120	103	(57-136)
Benzene	116	4.7	120	99	(68-128)
1,2-Dichloroethane	116	0	97	84	(64-139)
Trichloroethene	116	0	140	121	(49-150)
1,2-Dichloropropane	116	0	110	95	(68-131)
Dibromomethane	116	0	93	80	(57-141)
Bromodichloromethane	116	0	100	86	(69-132)
4-Methyl-2-Pentanone	581	0	380	65	(53-150)
Toluene	116	100	220	103	(67-127)
t-1,3-Dichloropropene	116	0	82	71	(63-129)
cis-1,3-Dichloropropene	116	0	84	72	(66-126)
1,1,2-Trichloroethane	116	0	90	78	(67-132)
1,3-Dichloropropane	116	0	88	76	(60-139)
Dibromochloromethane	116	0	91	78	(65-131)
1,2-Dibromoethane	116	0	86	74	(63-129)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 18 Out of 246 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : B1659-02

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Tetrachloroethene	116	0	160	138	(33-170)
Chlorobenzene	116	0	120	103	(71-126)
1,1,1,2-Tetrachloroethane	116	0	120	103	(66-135)
Ethyl Benzene	116	4.1	130	109	(65-134)
m/p-Xylenes	233	8.1	260	108	(65-131)
o-Xylene	116	3.5	120	100	(62-134)
Styrene	116	0	120	103	(60-131)
Bromoform	116	0	94	81	(62-140)
Isopropylbenzene	116	0	150	129	(51-159)
1,1,2,2-Tetrachloroethane	116	0	140	121	(33-184)
1,2,3-Trichloropropane	116	0	130	112	(44-183)
Bromobenzene	116	0	150	129	(58-149)
n-propylbenzene	116	0	140	121	(50-152)
2-Chlorotoluene	116	0	140	121	(57-152)
1,3,5-Trimethylbenzene	116	2.9	130	110	(46-161)
4-Chlorotoluene	116	0	140	121	(58-145)
tert-Butylbenzene	116	0	91	78	(47-155)
1,2,4-Trimethylbenzene	116	0	240	207*	(54-137)
sec-Butylbenzene	116	0	190	164*	(45-154)
p-Isopropyltoluene	116	1700	7300	4828*	(53-144)
1,3-Dichlorobenzene	116	0	69	59*	(70-125)
1,4-Dichlorobenzene	116	0	67	58*	(69-124)
n-Butylbenzene	116	0	56	48*	(49-138)
1,2-Dichlorobenzene	116	0	100	86	(67-128)
1,2-Dibromo-3-Chloropropane	116	0	110	95	(44-163)
1,2,4-Trichlorobenzene	116	0	45	39*	(53-137)
Hexachlorobutadiene	116	0	28	24	(19-140)
Naphthalene	116	19	94	65	(36-143)
1,2,3-Trichlorobenzene	116	0	39	34	(31-136)
1,2,4,5-tetramethylbenzene	116	0	79	68*	(70-130)
p-diethylbenzene	116	0	98	84	(70-130)
p-ethyltoluene	116	0	150	129	(70-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 18 Out of 246 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : B1659-03

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dichlorodifluoromethane	116	110	95	0	20	(42-151)
Vinyl Chloride	116	98	84	12	20	(48-144)
Chloroethane	116	120	103	16	20	(39-165)
Trichlorofluoromethane	116	130	112	0	20	(46-159)
1,1,2-Trichlorotrifluoroethane	116	100	86	10	20	(59-140)
1,1-Dichloroethene	116	120	103	16	20	(54-143)
Acetone	581	320	41	16	20	(31-158)
Methyl tert-butyl Ether	116	93	80	3	20	(56-146)
Methylene Chloride	116	110	95	0	20	(51-144)
trans-1,2-Dichloroethene	116	130	112	8	20	(60-135)
1,1-Dichloroethane	116	120	103	0	20	(62-143)
2-Butanone	581	320	55	4	20	(40-157)
Carbon Tetrachloride	116	130	112	8	20	(63-135)
2,2-Dichloropropane	116	110	95	0	20	(53-144)
cis-1,2-Dichloroethene	116	120	103	0	20	(62-133)
Bromochloromethane	116	100	86	10	20	(59-140)
Chloroform	116	120	103	8	20	(66-138)
1,1,1-Trichloroethane	116	130	112	8	20	(64-139)
1,1-Dichloropropene	116	140	121	16	20	(57-136)
Benzene	116	130	108	9	20	(68-128)
1,2-Dichloroethane	116	110	95	12	20	(64-139)
Trichloroethene	116	150	129	6	20	(49-150)
1,2-Dichloropropane	116	120	103	8	20	(68-131)
Dibromomethane	116	100	86	7	20	(57-141)
Bromodichloromethane	116	120	103	18	20	(69-132)
4-Methyl-2-Pentanone	581	400	69	6	20	(53-150)
Toluene	116	250	129*	22*	20	(67-127)
t-1,3-Dichloropropene	116	92	79	11	20	(63-129)
cis-1,3-Dichloropropene	116	95	82	13	20	(66-126)
1,1,2-Trichloroethane	116	100	86	10	20	(67-132)
1,3-Dichloropropane	116	100	86	12	20	(60-139)
Dibromochloromethane	116	100	86	10	20	(65-131)
1,2-Dibromoethane	116	96	83	11	20	(63-129)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 5 Out of 82 outside limits

Spike Recovery : 27 Out of 328 outside limits

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : B1659-03

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Tetrachloroethene	116	190	164	17	20	(33-170)
Chlorobenzene	116	130	112	8	20	(71-126)
1,1,1,2-Tetrachloroethane	116	140	121	16	20	(66-135)
Ethyl Benzene	116	140	117	7	20	(65-134)
m/p-Xylenes	233	280	117	8	20	(65-131)
o-Xylene	116	140	118	17	20	(62-134)
Styrene	116	130	112	8	20	(60-131)
Bromoform	116	100	86	6	20	(62-140)
Isopropylbenzene	116	160	138	7	20	(51-159)
1,1,2,2-Tetrachloroethane	116	120	103	16	20	(33-184)
1,2,3-Trichloropropane	116	130	112	0	20	(44-183)
Bromobenzene	116	150	129	0	20	(58-149)
n-propylbenzene	116	140	121	0	20	(50-152)
2-Chlorotoluene	116	150	129	6	20	(57-152)
1,3,5-Trimethylbenzene	116	140	118	7	20	(46-161)
4-Chlorotoluene	116	140	121	0	20	(58-145)
tert-Butylbenzene	116	96	83	6	20	(47-155)
1,2,4-Trimethylbenzene	116	230	198*	4	20	(54-137)
sec-Butylbenzene	116	180	155*	6	20	(45-154)
p-Isopropyltoluene	116	6700	4310*	11	20	(53-144)
1,3-Dichlorobenzene	116	130	112	62*	20	(70-125)
1,4-Dichlorobenzene	116	130	112	64*	20	(69-124)
n-Butylbenzene	116	60	52	8	20	(49-138)
1,2-Dichlorobenzene	116	110	95	10	20	(67-128)
1,2-Dibromo-3-Chloropropane	116	120	103	8	20	(44-163)
1,2,4-Trichlorobenzene	116	47	41*	5	20	(53-137)
Hexachlorobutadiene	116	28	24	0	20	(19-140)
Naphthalene	116	99	69	6	20	(36-143)
1,2,3-Trichlorobenzene	116	50	43	23*	20	(31-136)
1,2,4,5-tetramethylbenzene	116	81	70	3	20	(70-130)
p-diethylbenzene	116	100	86	2	20	(70-130)
p-ethyltoluene	116	160	138*	7	20	(70-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 5 Out of 82 outside limits

Spike Recovery : 27 Out of 328 outside limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : B1698-02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	50	0	72	144	(24-175)
Vinyl Chloride	50	2	65	126	(39-171)
Chloroethane	50	0	69	138	(38-170)
Trichlorofluoromethane	50	0	71	142	(38-171)
1,1,2-Trichlorotrifluoroethane	50	0	62	124	(47-152)
1,1-Dichloroethene	50	1	61	120	(47-149)
Acetone	250	11	210	80	(28-181)
Methyl tert-butyl Ether	50	23	81	116	(39-166)
Methylene Chloride	50	0	65	130	(48-149)
trans-1,2-Dichloroethene	50	7.9	65	114	(53-143)
1,1-Dichloroethane	50	0	61	122	(57-150)
2-Butanone	250	0	250	100	(47-160)
Carbon Tetrachloride	50	0	63	126	(38-158)
2,2-Dichloropropane	50	0	60	120	(30-155)
cis-1,2-Dichloroethene	50	17	76	118	(41-160)
Bromochloromethane	50	0	59	118	(66-138)
Chloroform	50	1.8	61	118	(56-152)
1,1,1-Trichloroethane	50	0	62	124	(57-148)
1,1-Dichloropropene	50	0	59	118	(67-134)
Benzene	50	0	59	118	(59-140)
1,2-Dichloroethane	50	0	61	122	(56-151)
Trichloroethene	50	2200	2000	-400*	(49-146)
1,2-Dichloropropane	50	0	59	118	(63-140)
Dibromomethane	50	0	61	122	(72-132)
Bromodichloromethane	50	0	62	124	(60-144)
4-Methyl-2-Pentanone	250	0	280	112	(51-160)
Toluene	50	0	58	116	(60-139)
t-1,3-Dichloropropene	50	0	62	124	(51-148)
cis-1,3-Dichloropropene	50	0	60	120	(53-143)
1,1,2-Trichloroethane	50	1.7	61	119	(65-138)
1,3-Dichloropropane	50	0	59	118	(74-135)
Dibromochloromethane	50	0	64	128	(56-146)
1,2-Dibromoethane	50	0	59	118	(63-142)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 78 outside limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : B1698-02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Tetrachloroethene	50	20	52	64	(23-148)
Chlorobenzene	50	0	56	112	(57-136)
1,1,1,2-Tetrachloroethane	50	0	60	120	(66-135)
Ethyl Benzene	50	0	56	112	(49-146)
m/p-Xylenes	100	0	110	110	(51-140)
o-Xylene	50	0	56	112	(54-139)
Styrene	50	0	52	104	(48-141)
Bromoform	50	0	52	104	(48-141)
Isopropylbenzene	50	0	56	112	(48-143)
1,1,2,2-Tetrachloroethane	50	0	60	120	(52-151)
1,2,3-Trichloropropane	50	0	55	110	(57-142)
Bromobenzene	50	0	56	112	(69-124)
n-propylbenzene	50	0	56	112	(67-128)
2-Chlorotoluene	50	0	55	110	(70-127)
1,3,5-Trimethylbenzene	50	0	56	112	(68-125)
4-Chlorotoluene	50	0	55	110	(66-129)
tert-Butylbenzene	50	0	65	130	(68-133)
1,2,4-Trimethylbenzene	50	0	54	108	(68-127)
sec-Butylbenzene	50	0	54	108	(70-123)
p-Isopropyltoluene	50	0	55	110	(69-123)
1,3-Dichlorobenzene	50	0	55	110	(63-129)
1,4-Dichlorobenzene	50	0	56	112	(57-134)
n-Butylbenzene	50	0	53	106	(65-131)
1,2-Dichlorobenzene	50	0	57	114	(57-136)
1,2-Dibromo-3-Chloropropane	50	0	63	126	(46-157)
1,2,4-Trichlorobenzene	50	0	58	116	(53-137)
Hexachlorobutadiene	50	0	46	92	(34-147)
Naphthalene	50	0	58	116	(67-133)
1,2,3-Trichlorobenzene	50	0	58	116	(53-137)
1,2,4,5-Tetramethylbenzene	50	0	52	104	(70-130)
p-diethylbenzene	50	0	53	106	(70-130)
p-ethyltoluene	50	0	56	112	(70-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 78 outside limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : B1698-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % % (ug/L)		QC LIMITS	
					RPD	REC
Dichlorodifluoromethane	50	71	142	1	20	(24-175)
Vinyl Chloride	50	65	126	0	20	(39-171)
Chloroethane	50	66	132	4	20	(38-170)
Trichlorofluoromethane	50	68	136	4	20	(38-171)
1,1,2-Trichlorotrifluoroethane	50	59	118	5	20	(47-152)
1,1-Dichloroethene	50	63	124	3	20	(47-149)
Acetone	250	190	72	11	20	(28-181)
Methyl tert-butyl Ether	50	83	120	3	20	(39-166)
Methylene Chloride	50	67	134	3	20	(48-149)
trans-1,2-Dichloroethene	50	69	122	7	20	(53-143)
1,1-Dichloroethane	50	62	124	2	20	(57-150)
2-Butanone	250	250	100	0	20	(47-160)
Carbon Tetrachloride	50	62	124	2	20	(38-158)
2,2-Dichloropropane	50	58	116	3	20	(30-155)
cis-1,2-Dichloroethene	50	78	122	3	20	(41-160)
Bromochloromethane	50	58	116	2	20	(66-138)
Chloroform	50	59	114	3	20	(56-152)
1,1,1-Trichloroethane	50	62	124	0	20	(57-148)
1,1-Dichloropropene	50	57	114	3	20	(67-134)
Benzene	50	58	116	2	20	(59-140)
1,2-Dichloroethane	50	59	118	3	20	(56-151)
Trichloroethene	50	2000	-400*	0	20	(49-146)
1,2-Dichloropropane	50	59	118	0	20	(63-140)
Dibromomethane	50	60	120	2	20	(72-132)
Bromodichloromethane	50	62	124	0	20	(60-144)
4-Methyl-2-Pentanone	250	280	112	0	20	(51-160)
Toluene	50	58	116	0	20	(60-139)
t-1,3-Dichloropropene	50	60	120	3	20	(51-148)
cis-1,3-Dichloropropene	50	59	118	2	20	(53-143)
1,1,2-Trichloroethane	50	61	119	0	20	(65-138)
1,3-Dichloropropane	50	57	114	3	20	(74-135)
Dibromochloromethane	50	62	124	3	20	(56-146)
1,2-Dibromoethane	50	58	116	2	20	(63-142)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 7 Out of 156 outside limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : B1698-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % % (ug/L)		QC LIMITS	
					RPD	REC
Tetrachloroethene	50	57	74	14	20	(23-148)
Chlorobenzene	50	58	116	4	20	(57-136)
1,1,1,2-Tetrachloroethane	50	62	124	3	20	(66-135)
Ethyl Benzene	50	55	110	2	20	(49-146)
m/p-Xylenes	100	120	120	9	20	(51-140)
o-Xylene	50	58	116	4	20	(54-139)
Styrene	50	53	106	2	20	(48-141)
Bromoform	50	52	104	0	20	(48-141)
Isopropylbenzene	50	58	116	4	20	(48-143)
1,1,2,2-Tetrachloroethane	50	60	120	0	20	(52-151)
1,2,3-Trichloropropane	50	55	110	0	20	(57-142)
Bromobenzene	50	57	114	2	20	(69-124)
n-propylbenzene	50	55	110	2	20	(67-128)
2-Chlorotoluene	50	56	112	2	20	(70-127)
1,3,5-Trimethylbenzene	50	58	116	4	20	(68-125)
4-Chlorotoluene	50	55	110	0	20	(66-129)
tert-Butylbenzene	50	68	136*	5	20	(68-133)
1,2,4-Trimethylbenzene	50	57	114	5	20	(68-127)
sec-Butylbenzene	50	56	112	4	20	(70-123)
p-Isopropyltoluene	50	59	118	7	20	(69-123)
1,3-Dichlorobenzene	50	59	118	7	20	(63-129)
1,4-Dichlorobenzene	50	57	114	2	20	(57-134)
n-Butylbenzene	50	54	108	2	20	(65-131)
1,2-Dichlorobenzene	50	59	118	3	20	(57-136)
1,2-Dibromo-3-Chloropropane	50	66	132	5	20	(46-157)
1,2,4-Trichlorobenzene	50	59	118	2	20	(53-137)
Hexachlorobutadiene	50	50	100	8	20	(34-147)
Naphthalene	50	60	120	3	20	(67-133)
1,2,3-Trichlorobenzene	50	61	122	5	20	(53-137)
1,2,4,5-Tetramethylbenzene	50	54	108	4	20	(70-130)
p-diethylbenzene	50	55	110	4	20	(70-130)
p-ethyltoluene	50	58	116	4	20	(70-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 78 outside limits

Spike Recovery : 7 Out of 156 outside limits

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : BSE0323M1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	2000		2100	105	(47-148)
Vinyl Chloride	2000		1800	90	(60-138)
Chloroethane	2000		1500	75	(42-161)
Trichlorofluoromethane	2000		2200	110	(55-146)
1,1,2-Trichlorotrifluoroethane	2000		2100	105	(65-134)
1,1-Dichloroethene	2000		1900	95	(65-136)
Acetone	10000		9600	96	(57-148)
Methyl tert-butyl Ether	2000		2000	100	(70-131)
Methylene Chloride	2000		2000	100	(63-141)
trans-1,2-Dichloroethene	2000		2000	100	(73-130)
1,1-Dichloroethane	2000		2100	105	(74-133)
2-Butanone	10000		8800	88	(52-153)
Carbon Tetrachloride	2000		2000	100	(74-122)
2,2-Dichloropropane	2000		2200	110	(70-130)
cis-1,2-Dichloroethene	2000		2100	105	(75-129)
Bromochloromethane	2000		1800	90	(74-129)
Chloroform	2000		2100	105	(75-135)
1,1,1-Trichloroethane	2000		2100	105	(75-128)
1,1-Dichloropropene	2000		1900	95	(77-120)
Benzene	2000		1900	95	(79-122)
1,2-Dichloroethane	2000		2000	100	(75-132)
Trichloroethene	2000		1800	90	(77-120)
1,2-Dichloropropane	2000		1700	85	(76-127)
Dibromomethane	2000		1900	95	(77-125)
Bromodichloromethane	2000		2000	100	(77-124)
4-Methyl-2-Pentanone	10000		7900	79	(70-141)
Toluene	2000		2000	100	(78-121)
t-1,3-Dichloropropene	2000		2000	100	(76-127)
cis-1,3-Dichloropropene	2000		1900	95	(79-122)
1,1,2-Trichloroethane	2000		2000	100	(76-127)
1,3-Dichloropropane	2000		1900	95	(75-130)
Dibromochloromethane	2000		1900	95	(73-126)
1,2-Dibromoethane	2000		2000	100	(76-127)
Tetrachloroethene	2000		1300	65	(61-145)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 74 outside limits

Comments: _____



3A

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659Matrix Spike - EPA Sample No : BSE0323M1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Chlorobenzene	2000		1900	95	(79-120)
1,1,1,2-Tetrachloroethane	2000		1900	95	(78-120)
Ethyl Benzene	2000		1900	95	(77-120)
m/p-Xylenes	4000		3600	90	(78-120)
o-Xylene	2000		2000	100	(78-119)
Styrene	2000		2000	100	(80-119)
Bromoform	2000		1700	85	(71-125)
Isopropylbenzene	2000		1800	90	(77-124)
1,1,2,2-Tetrachloroethane	2000		1900	95	(77-130)
1,2,3-Trichloropropane	2000		1900	95	(79-130)
Bromobenzene	2000		1800	90	(79-122)
n-propylbenzene	2000		1800	90	(77-126)
2-Chlorotoluene	2000		1800	90	(68-134)
1,3,5-Trimethylbenzene	2000		1900	95	(81-122)
4-Chlorotoluene	2000		1900	95	(81-122)
tert-Butylbenzene	2000		1900	95	(76-124)
1,2,4-Trimethylbenzene	2000		1900	95	(80-122)
sec-Butylbenzene	2000		1900	95	(79-124)
p-Isopropyltoluene	2000		1800	90	(78-123)
1,3-Dichlorobenzene	2000		1900	95	(82-121)
1,4-Dichlorobenzene	2000		1900	95	(82-118)
n-Butylbenzene	2000		1800	90	(77-124)
1,2-Dichlorobenzene	2000		1900	95	(81-122)
1,2-Dibromo-3-Chloropropane	2000		1700	85	(66-132)
1,2,4-Trichlorobenzene	2000		1900	95	(71-124)
Hexachlorobutadiene	2000		1500	75	(68-128)
Naphthalene	2000		1900	95	(58-136)
1,2,3-Trichlorobenzene	2000		1800	90	(74-123)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 74 outside limits

Comments: _____



3B

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659Matrix Spike - EPA Sample No : BSG0327W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		17	85	(35-124)
Vinyl Chloride	20		21	105	(45-144)
Chloroethane	20		23	115	(46-148)
Trichlorofluoromethane	20		21	105	(56-137)
1,1,2-Trichlorotrifluoroethane	20		20	100	(52-142)
1,1-Dichloroethene	20		21	105	(57-135)
Acetone	100		120	120	(50-149)
Methyl tert-butyl Ether	20		21	105	(60-144)
Methylene Chloride	20		22	110	(61-138)
trans-1,2-Dichloroethene	20		22	110	(59-137)
1,1-Dichloroethane	20		22	110	(64-142)
2-Butanone	100		110	110	(56-152)
Carbon Tetrachloride	20		22	110	(59-138)
2,2-Dichloropropane	20		20	100	(58-142)
cis-1,2-Dichloroethene	20		21	105	(64-137)
Bromochloromethane	20		22	110	(64-141)
Chloroform	20		21	105	(67-138)
1,1,1-Trichloroethane	20		21	105	(65-132)
1,1-Dichloropropene	20		20	100	(68-131)
Benzene	20		21	105	(66-135)
1,2-Dichloroethane	20		21	105	(65-137)
Trichloroethene	20		21	105	(65-134)
1,2-Dichloropropane	20		22	110	(68-137)
Dibromomethane	20		22	110	(68-137)
Bromodichloromethane	20		22	110	(67-134)
4-Methyl-2-Pentanone	100		110	110	(63-146)
Toluene	20		21	105	(67-133)
t-1,3-Dichloropropene	20		22	110	(66-135)
cis-1,3-Dichloropropene	20		22	110	(66-132)
1,1,2-Trichloroethane	20		22	110	(67-136)
1,3-Dichloropropane	20		22	110	(69-136)
Dibromochloromethane	20		23	115	(64-137)
1,2-Dibromoethane	20		22	110	(66-137)
Tetrachloroethene	20		26	130	(37-178)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____



3B

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659Matrix Spike - EPA Sample No : BSG0327W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Chlorobenzene	20		22	110	(67-133)
1,1,1,2-Tetrachloroethane	20		21	105	(67-127)
Ethyl Benzene	20		22	110	(66-133)
m/p-Xylenes	40		43	108	(65-134)
o-Xylene	20		21	105	(65-134)
Styrene	20		22	110	(65-136)
Bromoform	20		21	105	(56-157)
Isopropylbenzene	20		22	110	(66-133)
1,1,2,2-Tetrachloroethane	20		20	100	(63-136)
1,2,3-Trichloropropane	20		21	105	(63-138)
Bromobenzene	20		22	110	(71-128)
n-propylbenzene	20		21	105	(68-134)
2-Chlorotoluene	20		22	110	(68-134)
1,3,5-Trimethylbenzene	20		22	110	(68-133)
4-Chlorotoluene	20		22	110	(68-133)
tert-Butylbenzene	20		20	100	(67-132)
1,2,4-Trimethylbenzene	20		22	110	(68-133)
sec-Butylbenzene	20		21	105	(70-133)
p-Isopropyltoluene	20		22	110	(69-130)
1,3-Dichlorobenzene	20		22	110	(66-131)
1,4-Dichlorobenzene	20		21	105	(65-131)
n-Butylbenzene	20		21	105	(68-134)
1,2-Dichlorobenzene	20		22	110	(66-132)
1,2-Dibromo-3-Chloropropane	20		23	115	(54-141)
1,2,4-Trichlorobenzene	20		20	100	(61-133)
Hexachlorobutadiene	20		19	95	(36-151)
Naphthalene	20		20	100	(63-134)
1,2,3-Trichlorobenzene	20		20	100	(60-135)
1,2,4,5-Tetramethylbenzene	20		22	110	(70-130)
p-diethylbenzene	20		23	115	(70-130)
p-ethyltoluene	20		22	110	(70-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : BSK0322S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		21	105	(47-148)
Vinyl Chloride	20		20	100	(60-138)
Chloroethane	20		22	110	(42-161)
Trichlorofluoromethane	20		20	100	(55-146)
1,1,2-Trichlorotrifluoroethane	20		22	110	(65-134)
1,1-Dichloroethene	20		21	105	(65-136)
Acetone	100		99	99	(57-148)
Methyl tert-butyl Ether	20		21	105	(70-131)
Methylene Chloride	20		21	105	(63-141)
trans-1,2-Dichloroethene	20		22	110	(73-130)
1,1-Dichloroethane	20		21	105	(74-133)
2-Butanone	100		99	99	(52-153)
Carbon Tetrachloride	20		19	95	(74-122)
2,2-Dichloropropane	20		19	95	(70-130)
cis-1,2-Dichloroethene	20		20	100	(75-129)
Bromochloromethane	20		19	95	(74-129)
Chloroform	20		20	100	(75-135)
1,1,1-Trichloroethane	20		19	95	(75-128)
1,1-Dichloropropene	20		20	100	(77-120)
Benzene	20		21	105	(79-122)
1,2-Dichloroethane	20		20	100	(75-132)
Trichloroethene	20		21	105	(77-120)
1,2-Dichloropropane	20		20	100	(76-127)
Dibromomethane	20		21	105	(77-125)
Bromodichloromethane	20		19	95	(77-124)
4-Methyl-2-Pentanone	100		110	110	(70-141)
Toluene	20		20	100	(78-121)
t-1,3-Dichloropropene	20		20	100	(76-127)
cis-1,3-Dichloropropene	20		20	100	(79-122)
1,1,2-Trichloroethane	20		20	100	(76-127)
1,3-Dichloropropane	20		20	100	(75-130)
Dibromochloromethane	20		19	95	(73-126)
1,2-Dibromoethane	20		20	100	(76-127)
Tetrachloroethene	20		22	110	(61-145)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



3A

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659Matrix Spike - EPA Sample No : BSK0322S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Chlorobenzene	20		21	105	(79-120)
1,1,1,2-Tetrachloroethane	20		20	100	(78-120)
Ethyl Benzene	20		20	100	(77-120)
m/p-Xylenes	40		43	108	(78-120)
o-Xylene	20		21	105	(78-119)
Styrene	20		22	110	(80-119)
Bromoform	20		21	105	(71-125)
Isopropylbenzene	20		21	105	(77-124)
1,1,2,2-Tetrachloroethane	20		21	105	(77-130)
1,2,3-Trichloropropane	20		21	105	(79-130)
Bromobenzene	20		21	105	(79-122)
n-propylbenzene	20		20	100	(77-126)
2-Chlorotoluene	20		21	105	(68-134)
1,3,5-Trimethylbenzene	20		22	110	(81-122)
4-Chlorotoluene	20		21	105	(81-122)
tert-Butylbenzene	20		21	105	(76-124)
1,2,4-Trimethylbenzene	20		21	105	(80-122)
sec-Butylbenzene	20		21	105	(79-124)
p-Isopropyltoluene	20		21	105	(78-123)
1,3-Dichlorobenzene	20		21	105	(82-121)
1,4-Dichlorobenzene	20		21	105	(82-118)
n-Butylbenzene	20		21	105	(77-124)
1,2-Dichlorobenzene	20		20	100	(81-122)
1,2-Dibromo-3-Chloropropane	20		21	105	(66-132)
1,2,4-Trichlorobenzene	20		22	110	(71-124)
Hexachlorobutadiene	20		21	105	(68-128)
Naphthalene	20		22	110	(58-136)
1,2,3-Trichlorobenzene	20		22	110	(74-123)
1,2,4,5-tetramethylbenzene	20		20	100	(70-130)
p-diethylbenzene	20		20	100	(70-130)
p-ethyltoluene	20		19	95	(70-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : BSK0324S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		23	115	(47-148)
Vinyl Chloride	20		21	105	(60-138)
Chloroethane	20		24	120	(42-161)
Trichlorofluoromethane	20		22	110	(55-146)
1,1,2-Trichlorotrifluoroethane	20		23	115	(65-134)
1,1-Dichloroethene	20		24	120	(65-136)
Acetone	100		83	83	(57-148)
Methyl tert-butyl Ether	20		22	110	(70-131)
Methylene Chloride	20		20	100	(63-141)
trans-1,2-Dichloroethene	20		24	120	(73-130)
1,1-Dichloroethane	20		23	115	(74-133)
2-Butanone	100		97	97	(52-153)
Carbon Tetrachloride	20		22	110	(74-122)
2,2-Dichloropropane	20		21	105	(70-130)
cis-1,2-Dichloroethene	20		23	115	(75-129)
Bromochloromethane	20		22	110	(74-129)
Chloroform	20		22	110	(75-135)
1,1,1-Trichloroethane	20		22	110	(75-128)
1,1-Dichloropropene	20		22	110	(77-120)
Benzene	20		23	115	(79-122)
1,2-Dichloroethane	20		21	105	(75-132)
Trichloroethene	20		22	110	(77-120)
1,2-Dichloropropane	20		21	105	(76-127)
Dibromomethane	20		21	105	(77-125)
Bromodichloromethane	20		21	105	(77-124)
4-Methyl-2-Pentanone	100		100	100	(70-141)
Toluene	20		22	110	(78-121)
t-1,3-Dichloropropene	20		22	110	(76-127)
cis-1,3-Dichloropropene	20		21	105	(79-122)
1,1,2-Trichloroethane	20		21	105	(76-127)
1,3-Dichloropropane	20		21	105	(75-130)
Dibromochloromethane	20		21	105	(73-126)
1,2-Dibromoethane	20		21	105	(76-127)
Tetrachloroethene	20		21	105	(61-145)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



3A

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659Matrix Spike - EPA Sample No : BSK0324S1

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Chlorobenzene	20		22	110	(79-120)
1,1,1,2-Tetrachloroethane	20		22	110	(78-120)
Ethyl Benzene	20		22	110	(77-120)
m/p-Xylenes	40		45	113	(78-120)
o-Xylene	20		22	110	(78-119)
Styrene	20		23	115	(80-119)
Bromoform	20		21	105	(71-125)
Isopropylbenzene	20		22	110	(77-124)
1,1,2,2-Tetrachloroethane	20		21	105	(77-130)
1,2,3-Trichloropropane	20		20	100	(79-130)
Bromobenzene	20		21	105	(79-122)
n-propylbenzene	20		22	110	(77-126)
2-Chlorotoluene	20		21	105	(68-134)
1,3,5-Trimethylbenzene	20		22	110	(81-122)
4-Chlorotoluene	20		22	110	(81-122)
tert-Butylbenzene	20		22	110	(76-124)
1,2,4-Trimethylbenzene	20		22	110	(80-122)
sec-Butylbenzene	20		22	110	(79-124)
p-Isopropyltoluene	20		22	110	(78-123)
1,3-Dichlorobenzene	20		22	110	(82-121)
1,4-Dichlorobenzene	20		22	110	(82-118)
n-Butylbenzene	20		22	110	(77-124)
1,2-Dichlorobenzene	20		21	105	(81-122)
1,2-Dibromo-3-Chloropropane	20		20	100	(66-132)
1,2,4-Trichlorobenzene	20		23	115	(71-124)
Hexachlorobutadiene	20		23	115	(68-128)
Naphthalene	20		21	105	(58-136)
1,2,3-Trichlorobenzene	20		22	110	(74-123)
1,2,4,5-tetramethylbenzene	20		19	95	(70-130)
p-diethylbenzene	20		19	95	(70-130)
p-ethyltoluene	20		19	95	(70-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 82 outside limits

Comments: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBE0323M1

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1659SAS No.: B1659 SDG NO.: B1659Lab File ID: VE017489.DLab Sample ID: VBE0323M1Date Analyzed: 03/23/2010Time Analyzed: 12:44GC Column: ZB-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAE

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSE0323M1	BSE0323M1	VE017491.D	03/23/2010
DUP-03DL	B1659-04DL	VE017493.D	03/23/2010
DW-3DL	B1659-01DL	VE017495.D	03/23/2010

COMMENTS: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0323M1

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: VBE0323M1

Sample wt/vol: 5 (g/mL) g Lab File ID: VE017489.D

Level: (low/med) MED Date Received:

% Moisture: not dec. 0 Date Analyzed: 03/23/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	500	U
75-01-4	Vinyl Chloride	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
76-13-1	1,1,2-Trichlorotrifluoroethane	500	U
75-35-4	1,1-Dichloroethene	500	U
67-64-1	Acetone	2500	U
1634-04-4	Methyl tert-butyl Ether	500	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-34-3	1,1-Dichloroethane	500	U
78-93-3	2-Butanone	2500	U
56-23-5	Carbon Tetrachloride	500	U
594-20-7	2,2-Dichloropropane	500	U
156-59-2	cis-1,2-Dichloroethene	500	U
74-97-5	Bromochloromethane	500	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
563-58-6	1,1-Dichloropropene	500	U
71-43-2	Benzene	500	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	500	U
78-87-5	1,2-Dichloropropane	500	U
74-95-3	Dibromomethane	500	U
75-27-4	Bromodichloromethane	500	U
108-10-1	4-Methyl-2-Pentanone	2500	U
108-88-3	Toluene	500	U
10061-02-6	t-1,3-Dichloropropene	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0323M1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: VBE0323M1Sample wt/vol: 5 (g/mL) g Lab File ID: VE017489.DLevel: (low/med) MED Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/23/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

79-00-5	1,1,2-Trichloroethane	500	U
142-28-9	1,3-Dichloropropane	500	U
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
127-18-4	Tetrachloroethene	500	U
108-90-7	Chlorobenzene	500	U
630-20-6	1,1,1,2-Tetrachloroethane	500	U
100-41-4	Ethyl Benzene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
96-18-4	1,2,3-Trichloropropane	500	U
108-86-1	Bromobenzene	500	U
103-65-1	n-propylbenzene	500	U
95-49-8	2-Chlorotoluene	500	U
108-67-8	1,3,5-Trimethylbenzene	500	U
106-43-4	4-Chlorotoluene	500	U
98-06-6	tert-Butylbenzene	500	U
95-63-6	1,2,4-Trimethylbenzene	500	U
135-98-8	sec-Butylbenzene	500	U
99-87-6	p-Isopropyltoluene	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
104-51-8	n-Butylbenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-Chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
87-68-3	Hexachlorobutadiene	500	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBE0323M1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: VBE0323M1Sample wt/vol: 5 (g/mL) g Lab File ID: VE017489.DLevel: (low/med) MED Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/23/10GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

91-20-3	Naphthalene	500	U
87-61-6	1,2,3-Trichlorobenzene	500	U
1330-20-7	Total Xylenes	1500	U



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBG0327W2

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1659SAS No.: B1659 SDG NO.: B1659Lab File ID: VG026419.DLab Sample ID: VBG0327W2Date Analyzed: 03/27/2010Time Analyzed: 18:04GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAG

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSG0327W1	BSG0327W1	VG026420.D	03/27/2010
TRIPBLANK	B1659-06	VG026424.D	03/27/2010
FIELDBLANK(3-18-10)	B1659-05	VG026425.D	03/27/2010
GE-MW-58-1DMS	B1698-02MS	VG026431.D	03/27/2010
GE-MW-58-1DMSD	B1698-03MSD	VG026432.D	03/28/2010

COMMENTS: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBG0327W2

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): WATER Lab Sample ID: VBG0327W2

Sample wt/vol: 5 (g/mL) ml Lab File ID: VG026419.D

Level: (low/med) Date Received:

% Moisture: not dec. 100 Date Analyzed: 03/27/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
1634-04-4	Methyl tert-butyl Ether	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
594-20-7	2,2-Dichloropropane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBG0327W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): WATER Lab Sample ID: VBG0327W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VG026419.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 03/27/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

79-00-5	1,1,2-Trichloroethane	1	U
142-28-9	1,3-Dichloropropane	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethyl Benzene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBG0327W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): WATER Lab Sample ID: VBG0327W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VG026419.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 03/27/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
95-93-2	1,2,4,5-Tetramethylbenzene	1	U
105-05-5	p-diethylbenzene	1	U
622-96-8	p-ethyltoluene	1	U
1330-20-7	Total Xylenes	3	U



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0322S1

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1659SAS No.: B1659 SDG NO.: B1659Lab File ID: VK038151.DLab Sample ID: VBK0322S1Date Analyzed: 03/22/2010Time Analyzed: 14:41GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOAK

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0322S1	BSK0322S1	VK038152.D	03/22/2010
DW-3	B1659-01	VK038153.D	03/22/2010
DUP-03	B1659-04	VK038154.D	03/22/2010

COMMENTS: _____



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0322S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: VBK0322S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK038151.DLevel: (low/med) LOW Date Received: % Moisture: not dec. 0 Date Analyzed: 03/22/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
1634-04-4	Methyl tert-butyl Ether	5	U
75-09-2	Methylene Chloride	2.2	J
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0322S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: VBK0322S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK038151.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/22/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

79-00-5	1,1,2-Trichloroethane	5	U
142-28-9	1,3-Dichloropropane	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethyl Benzene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
108-86-1	Bromobenzene	5	U
103-65-1	n-propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0322S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: VBK0322S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK038151.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/22/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U
95-93-2	1,2,4,5-tetramethylbenzene	5	U
105-05-5	p-diethylbenzene	5	U
622-96-8	p-ethyltoluene	5	U
1330-20-7	Total Xylenes	15	U



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0324S1

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1659SAS No.: B1659 SDG NO.: B1659Lab File ID: VK038170.DLab Sample ID: VBK0324S1Date Analyzed: 03/24/2010Time Analyzed: 10:27GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOAK

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0324S1	BSK0324S1	VK038171.D	03/24/2010
DW-3MS	B1659-02MS	VK038175.D	03/24/2010
DW-3MSD	B1659-03MSD	VK038176.D	03/24/2010

COMMENTS: _____



VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0324S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: VBK0324S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK038170.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/24/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5	U
75-01-4	Vinyl Chloride	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
1634-04-4	Methyl tert-butyl Ether	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	25	U
56-23-5	Carbon Tetrachloride	5	U
594-20-7	2,2-Dichloropropane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	5	U
10061-02-6	t-1,3-Dichloropropene	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0324S1

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: VBK0324S1

Sample wt/vol: 5 (g/mL) g Lab File ID: VK038170.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 03/24/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

79-00-5	1,1,2-Trichloroethane	5	U
142-28-9	1,3-Dichloropropane	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
127-18-4	Tetrachloroethene	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethyl Benzene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
108-86-1	Bromobenzene	5	U
103-65-1	n-propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK0324S1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: VBK0324S1Sample wt/vol: 5 (g/mL) g Lab File ID: VK038170.DLevel: (low/med) LOW Date Received: _____% Moisture: not dec. 0 Date Analyzed: 03/24/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U
95-93-2	1,2,4,5-tetramethylbenzene	5	U
105-05-5	p-diethylbenzene	5	U
622-96-8	p-ethyltoluene	5	U
1330-20-7	Total Xylenes	15	U



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659
Lab File ID: VK038169.D Date Analyzed: 03/24/2010
Instrument ID: MSVOAK Time Analyzed: 09:50
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	220985	3.19	377410	3.58	459255	6.28
UPPER LIMIT	441970	3.69	754820	4.08	918510	6.78
LOWER LIMIT	110492.5	2.69	188705	3.08	229627.5	5.78
EPA SAMPLE NO.						
DW-3MS	224553	3.18	361565	3.57	385809	6.27
DW-3MSD	220490	3.19	338754	3.57	379750	6.27
BSK0324S1	210914	3.18	351596	3.57	444080	6.27
VBK0324S1	232964	3.19	396559	3.58	464915	6.27

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659
Lab File ID: VK038169.D Date Analyzed: 03/24/2010
Instrument ID: MSVOAK Time Analyzed: 09:50
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	265890	8.6				
UPPER LIMIT	531780	9.1				
LOWER LIMIT	132945	8.1				
EPA SAMPLE NO.						
DW-3MS	141915	8.61				
DW-3MSD	151154	8.61				
BSK0324S1	261319	8.60				
VBK0324S1	264732	8.60				

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659
Lab File ID: VE017487.D Date Analyzed: 03/23/2010
Instrument ID: MSVOAE Time Analyzed: 10:39
GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	2700448	9.43	4062480	10.51	4076216	14.92
UPPER LIMIT	5400896	9.93	8124960	11.01	8152432	15.42
LOWER LIMIT	1350224	8.93	2031240	10.01	2038108	14.42
EPA SAMPLE NO.						
DW-3DL	3165724	9.43	4473991	10.53	4474455	14.93
DUP-03DL	2795798	9.43	4015120	10.52	4135281	14.93
BSE0323M1	2532251	9.43	3867663	10.53	3870068	14.92
VBE0323M1	2899841	9.43	4250105	10.53	4293651	14.92

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659
Lab File ID: VE017487.D Date Analyzed: 03/23/2010
Instrument ID: MSVOAE Time Analyzed: 10:39
GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	2440902	18.72				
UPPER LIMIT	4881804	19.22				
LOWER LIMIT	1220451	18.22				
EPA SAMPLE NO.						
DW-3DL	2439996	18.74				
DUP-03DL	2345115	18.73				
BSE0323M1	2329128	18.73				
VBE0323M1	2503987	18.72				

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659
Lab File ID: VG026413.D Date Analyzed: 03/27/2010
Instrument ID: MSVOAG Time Analyzed: 14:47
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1217231	3.76	2317037	4.54	1697731	9.52
UPPER LIMIT	2434462	4.26	4634074	5.04	3395462	10.02
LOWER LIMIT	608615.5	3.26	1158519	4.04	848865.5	9.02
EPA SAMPLE NO.						
FIELD BLANK (3-18-10)	932340	3.76	1752438	4.54	1222451	9.52
TRIP BLANK	837989	3.77	1583432	4.55	1112546	9.52
GE-MW-58-1DMS	853094	3.78	1634058	4.56	1237504	9.52
GE-MW-58-1DMSD	894512	3.77	1704248	4.56	1237556	9.52
BSG0327W1	1032319	3.77	2008971	4.54	1433449	9.52
VBG0327W2	1109239	3.76	2108924	4.54	1474399	9.52

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659
Lab File ID: VG026413.D Date Analyzed: 03/27/2010
Instrument ID: MSVOAG Time Analyzed: 14:47
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	714484	13.21				
UPPER LIMIT	1428968	13.71				
LOWER LIMIT	357242	12.71				
EPA SAMPLE NO.						
FIELD BLANK (3-18-10)	518069	13.22				
TRIP BLANK	478014	13.21				
GE-MW-58-1DMS	524602	13.22				
GE-MW-58-1DMSD	521286	13.22				
BSG0327W1	599426	13.21				
VBG0327W2	592430	13.21				

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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659
Lab File ID: VK038148.D Date Analyzed: 03/22/2010
Instrument ID: MSVOAK Time Analyzed: 12:52
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	210313	3.19	344329	3.57	435867	6.27
UPPER LIMIT	420626	3.69	688658	4.07	871734	6.77
LOWER LIMIT	105156.5	2.69	172164.5	3.07	217933.5	5.77
EPA SAMPLE NO.						
DW-3	221420	3.19	357636	3.57	396316	6.27
DUP-03	207507	3.19	336004	3.57	337341	6.27
BSK0322S1	206733	3.19	342515	3.57	422032	6.27
VBK0322S1	210722	3.20	351072	3.57	410807	6.27

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659
Lab File ID: VK038148.D Date Analyzed: 03/22/2010
Instrument ID: MSVOAK Time Analyzed: 12:52
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	249292	8.59				
UPPER LIMIT	498584	9.09				
LOWER LIMIT	124646	8.09				
EPA SAMPLE NO.						
DW-3	217585	8.60				
DUP-03	126322	8.61				
BSK0322S1	243183	8.60				
VBK0322S1	231627	8.59				

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 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.



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: B1659-01

Sample wt/vol: 30.04 (g/mL) g Lab File ID: BE062741.D

Level: (low/med) LOW Date Received: 03/19/10

% Moisture: 57 Decanted: (Y/N) N Date Extracted: 03/19/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/19/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	770		U
86-73-7	Fluorene	770		U
85-01-8	Phenanthrene	770		U
120-12-7	Anthracene	770		U
206-44-0	Fluoranthene	770		U
129-00-0	Pyrene	770		U
56-55-3	Benzo(a)anthracene	770		U
218-01-9	Chrysene	770		U
205-99-2	Benzo(b)fluoranthene	770		U
207-08-9	Benzo(k)fluoranthene	770		U
50-32-8	Benzo(a)pyrene	770		U
193-39-5	Indeno(1,2,3-cd)pyrene	770		U
53-70-3	Dibenz(a,h)anthracene	770		U
191-24-2	Benzo(g,h,i)perylene	770		U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-03

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-04Sample wt/vol: 30.05 (g/mL) g Lab File ID: BE062744.DLevel: (low/med) LOW Date Received: 03/19/10% Moisture: 56 Decanted: (Y/N) N Date Extracted: 03/19/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/20/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

83-32-9	Acenaphthene	750	U
86-73-7	Fluorene	750	U
85-01-8	Phenanthrene	750	U
120-12-7	Anthracene	750	U
206-44-0	Fluoranthene	750	U
129-00-0	Pyrene	750	U
56-55-3	Benzo(a)anthracene	750	U
218-01-9	Chrysene	750	U
205-99-2	Benzo(b)fluoranthene	750	U
207-08-9	Benzo(k)fluoranthene	750	U
50-32-8	Benzo(a)pyrene	750	U
193-39-5	Indeno(1,2,3-cd)pyrene	750	U
53-70-3	Dibenz(a,h)anthracene	750	U
191-24-2	Benzo(g,h,i)perylene	750	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDBLANK(3-18-10)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): WATER Lab Sample ID: B1659-05Sample wt/vol: 910 (g/mL) ml Lab File ID: BE062765.DLevel: (low/med) LOW Date Received: 03/19/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/22/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/22/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

83-32-9	Acenaphthene	11	U
86-73-7	Fluorene	11	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

Comments: _____



Hit Summary Sheet
SW-846

SDG No.:

Client:

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

Total Concentration:



-2D-

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Chemtech

Contract: PWGR01

Lab Code: CHEM Case No.: B1659

SAS No.: B1659 SDG No.: B1659

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 () #	S5 () #	S6 () #	S7 () #	S8 () #	TOT OUT
02	PB48300BS	99	93	95						0
03	PB48300B	93	89	95						0
11	DW-3	103	87	84						0
12	DUP-03	92	86	88						0
13	DW-3MS	102	85	83						0
14	DW-3MSD	97	77	69						0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5

(30-150)

S2 (FBP) = 2-Fluorobiphenyl

(19-182)

S3 (TPH) = Terphenyl-d14

(24-191)

S4() =

S5() =

S6() =

S7 () =

S8 () =

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

WATER SEMIVOLATILE SURROGATE

Lab Name: Chemtech Contract: PWGR01
 Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 () #	S5 () #	S6 () #	S7 () #	S8 () #	TOT OUT
01	PB48310BS	88	84	71						0
02	PB48310BSD	100	90	81						0
03	PB48310B	92	89	78						0
04	FIELD BLANK(3-18-10)	89	92	79						0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5
 S2 (FBP) = 2-Fluorobiphenyl
 S3 (TPH) = Terphenyl-d14
 S4() =
 S5() =
 S6() =
 S7() =
 S8() =

(20-139)
 (10-173)
 (20-171)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659

Matrix Spike - EPA Sample No : B1659-02

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Acenaphthene	3900	0	3200	82	(32-146)
Fluorene	3900	0	3300	85	(17-166)
Phenanthrene	3900	0	3200	82	(30-149)
Anthracene	3900	0	3300	85	(27-158)
Fluoranthene	3900	0	3000	77	(26-155)
Pyrene	3900	0	3700	95	(22-173)
Benzo(a)anthracene	3900	0	3300	85	(27-159)
Chrysene	3900	0	3300	85	(23-166)
Benzo(b)fluoranthene	3900	0	3000	77	(21-171)
Benzo(k)fluoranthene	3900	0	2900	74	(26-165)
Benzo(a)pyrene	3900	0	3200	82	(26-157)
Indeno(1,2,3-cd)pyrene	3900	0	3900	100	(10-188)
Dibenzo(a,h)anthracene	3900	0	3400	87	(18-147)
Benzo(g,h,i)perylene	3900	0	3500	90	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 78 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B1659 **SAS No :** B1659 **SDG No:** B1659
Matrix Spike - EPA Sample No : B1659-03

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Acenaphthene	3900	3300	85	4	50	(32-146)
Fluorene	3900	3200	82	4	50	(17-166)
Phenanthrene	3900	3200	82	0	50	(30-149)
Anthracene	3900	3400	87	2	50	(27-158)
Fluoranthene	3900	3100	79	3	50	(26-155)
Pyrene	3900	3700	95	0	50	(22-173)
Benzo(a)anthracene	3900	3300	85	0	50	(27-159)
Chrysene	3900	3400	87	2	50	(23-166)
Benzo(b)fluoranthene	3900	3100	79	3	50	(21-171)
Benzo(k)fluoranthene	3900	2900	74	0	50	(26-165)
Benzo(a)pyrene	3900	3200	82	0	50	(26-157)
Indeno(1,2,3-cd)pyrene	3900	3800	97	3	50	(10-188)
Dibenzo(a,h)anthracene	3900	3400	87	0	50	(18-147)
Benzo(g,h,i)perylene	3900	3500	90	0	50	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 78 outside limits

Spike Recovery : 2 Out of 156 outside limits



3A

SOIL SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659Matrix Spike - EPA Sample No : PB48300BS

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Acenaphthene	1700		1500	88	(54-113)
Fluorene	1700		1400	82	(56-113)
Phenanthrene	1700		1400	82	(56-113)
Anthracene	1700		1400	82	(56-113)
Fluoranthene	1700		1400	82	(54-117)
Pyrene	1700		1600	94	(58-117)
Benzo(a)anthracene	1700		1500	88	(57-112)
Chrysene	1700		1400	82	(59-114)
Benzo(b)fluoranthene	1700		1500	88	(53-120)
Benzo(k)fluoranthene	1700		1300	76	(56-117)
Benzo(a)pyrene	1700		1400	82	(56-117)
Indeno(1,2,3-cd)pyrene	1700		1500	88	(49-120)
Dibenzo(a,h)anthracene	1700		1400	82	(52-119)
Benzo(g,h,i)perylene	1700		1500	88	(53-119)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____



3B

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659Matrix Spike - EPA Sample No : PB48310BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS QC	
				% REC#	LIMITS REC
Acenaphthene	50		41	82	(51-118)
Fluorene	50		42	84	(55-121)
Phenanthrene	50		40	80	(55-126)
Anthracene	50		40	80	(59-122)
Fluoranthene	50		44	88	(61-127)
Pyrene	50		40	80	(62-128)
Benzo(a)anthracene	50		41	82	(52-136)
Chrysene	50		40	80	(55-136)
Benzo(b)fluoranthene	50		41	82	(48-149)
Benzo(k)fluoranthene	50		39	78	(54-138)
Benzo(a)pyrene	50		40	80	(55-139)
Indeno(1,2,3-cd)pyrene	50		43	86	(10-145)
Dibenzo(a,h)anthracene	50		40	80	(45-150)
Benzo(g,h,i)perylene	50		41	82	(54-138)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____



3B

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1659 SAS No : B1659 SDG No: B1659Matrix Spike - EPA Sample No : PB48310BSD

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
Acenaphthene	50	46	92	11	50	(51-118)
Fluorene	50	46	92	9	50	(55-121)
Phenanthrene	50	43	86	7	50	(55-126)
Anthracene	50	43	86	7	50	(59-122)
Fluoranthene	50	48	96	9	50	(61-127)
Pyrene	50	44	88	10	50	(62-128)
Benzo(a)anthracene	50	45	90	9	50	(52-136)
Chrysene	50	44	88	10	50	(55-136)
Benzo(b)fluoranthene	50	45	90	9	50	(48-149)
Benzo(k)fluoranthene	50	42	84	7	50	(54-138)
Benzo(a)pyrene	50	44	88	10	50	(55-139)
Indeno(1,2,3-cd)pyrene	50	48	96	11	50	(10-145)
Dibenzo(a,h)anthracene	50	44	88	10	50	(45-150)
Benzo(g,h,i)perylene	50	46	92	11	50	(54-138)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 78 outside limits

Spike Recovery : 1 Out of 78 outside limits

Comments: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB48300B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1659SAS No.: B1659 SDG NO.: B1659Lab File ID: BE062733.DLab Sample ID: PB48300BInstrument ID: BNAEDate Extracted: 03/19/2010Matrix: (soil/water) SOILDate Analyzed: 03/19/2010Level: (low/med) LOWTime Analyzed: 18:45

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB48300BS	PB48300BS	BE062731.D	03/19/2010
DW-3	B1659-01	BE062741.D	03/19/2010
DUP-03	B1659-04	BE062744.D	03/20/2010
DW-3MS	B1659-02MS	BE062747.D	03/20/2010
DW-3MSD	B1659-03MSD	BE062748.D	03/20/2010

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB48310B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1659SAS No.: B1659 SDG NO.: B1659Lab File ID: BE062763.DLab Sample ID: PB48310BInstrument ID: BNAEDate Extracted: 03/22/2010Matrix: (soil/water) WATERDate Analyzed: 03/22/2010Level: (low/med) LOWTime Analyzed: 18:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB48310BS	PB48310BS	BE062760.D	03/22/2010
PB48310BSD	PB48310BSD	BE062761.D	03/22/2010
FIELDBLANK(3-18-10)	B1659-05	BE062765.D	03/22/2010

COMMENTS: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48310B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): WATER Lab Sample ID: PB48310BSample wt/vol: 1000 (g/mL) ml Lab File ID: BE062763.DLevel: (low/med) LOW Date Received: _____% Moisture: 100 Decanted: (Y/N) N Date Extracted: 03/22/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/22/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48300B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: PB48300BSample wt/vol: 30.02 (g/mL) g Lab File ID: BE062733.DLevel: (low/med) LOW Date Received: _____% Moisture: 0 Decanted: (Y/N) N Date Extracted: 03/19/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/19/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

Comments: _____



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659

EPA Sample No.: SSTD040 Date Analyzed: 03/19/2010

Lab File ID: BE062729.D Time Analyzed: 16:39

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	162002	4.92	593051	6.08	281983	7.79
UPPER LIMIT	324004	5.42	1186102	6.58	563966	8.29
LOWER LIMIT	81001	4.42	296525.5	5.58	140991.5	7.29
EPA SAMPLE NO.						
01 PB48300BS	185872	4.93	680942	6.08	324261	7.79
02 PB48300B	192239	4.92	733705	6.07	350634	7.79
03 DW-3	180904	4.92	668956	6.07	329774	7.79
04 DUP-03	189041	4.92	704831	6.08	330505	7.79
05 DW-3MS	186793	4.92	649927	6.08	307072	7.79
06 DW-3MSD	197213	4.92	716627	6.08	325024	7.79

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659

EPA Sample No.: SSTD040 Date Analyzed: 03/19/2010

Lab File ID: BE062729.D Time Analyzed: 16:39

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
01	12 HOUR STD	450685	9.46	294999	12.65	246670	14.62
	UPPER LIMIT	901370	9.96	589998	13.15	493340	15.12
	LOWER LIMIT	225342.5	8.96	147499.5	12.15	123335	14.12
	EPA SAMPLE NO.						
	PB48300BS	477839	9.46	302080	12.65	248894	14.62
	PB48300B	504661	9.46	309464	12.65	271292	14.62
	DW-3	449991	9.46	262131	12.65	255862	14.62
	DUP-03	462789	9.46	269999	12.65	261317	14.62
	DW-3MS	435040	9.46	255900	12.65	235995	14.62
	DW-3MSD	439951	9.46	261195	12.65	234629	14.63

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.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659

EPA Sample No.: SSTD040 Date Analyzed: 03/22/2010

Lab File ID: BE062758.D Time Analyzed: 15:53

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	138671	4.91	570982	6.06	310609	7.77
UPPER LIMIT	277342	5.41	1141964	6.56	621218	8.27
LOWER LIMIT	69335.5	4.41	285491	5.56	155304.5	7.27
EPA SAMPLE NO.						
01	02	03	04			
FIELDBLANK(3-18-10)	162216	4.91	695525	6.06	358314	7.77
PB48310BS	151605	4.91	639727	6.06	347176	7.77
PB48310BSD	153945	4.91	634947	6.06	356103	7.77
PB48310B	164921	4.91	692587	6.06	364725	7.77

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG NO.: B1659

EPA Sample No.: SSTD040 Date Analyzed: 03/22/2010

Lab File ID: BE062758.D Time Analyzed: 15:53

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	542566	9.44	435328	12.63	377232	14.58
UPPER LIMIT	1085132	9.94	870656	13.13	754464	15.08
LOWER LIMIT	271283	8.94	217664	12.13	188616	14.08
EPA SAMPLE NO.						
01 FIELDBLANK(3-18-10)	604659	9.44	480175	12.63	430221	14.58
02 PB48310BS	642094	9.44	513908	12.63	434626	14.58
03 PB48310BSD	674166	9.44	530084	12.63	449384	14.58
04 PB48310B	612924	9.44	493211	12.62	428231	14.58

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.

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659
Matrix (soil/water): SOIL Lab Sample ID: B1659-01
Level (low/med): LOW Date Received: 3/19/2010
% Solids: 42.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	6.290			P
7440-41-7	Beryllium	0.71	U		P
7440-43-9	Cadmium	0.67	J		P
7440-47-3	Chromium	12700			P
7440-50-8	Copper	420			P
7439-92-1	Lead	64955.3	OR		P
7439-97-6	Mercury	0.092			CV
7440-02-0	Nickel	8.560			P
7440-22-4	Silver	1.180	U		P

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3DL

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659
Matrix (soil/water): SOIL Lab Sample ID: B1659-01DL
Level (low/med): LOW Date Received: 3/19/2010
% Solids: 42.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	23.5	U	D	P
7440-41-7	Beryllium	7.060	U	D	P
7440-43-9	Cadmium	7.060	U	D	P
7440-47-3	Chromium	14700		D	P
7440-50-8	Copper	481		D	P
7439-92-1	Lead	72100		D	P
7440-02-0	Nickel	47.1	U	D	P
7440-22-4	Silver	11.8	U	D	P

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-03

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659
Matrix (soil/water): SOIL Lab Sample ID: B1659-04
Level (low/med): LOW Date Received: 3/19/2010
% Solids: 43.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	6.820			P
7440-41-7	Beryllium	0.65	U		P
7440-43-9	Cadmium	0.86			P
7440-47-3	Chromium	13928.88	OR		P
7440-50-8	Copper	420			P
7439-92-1	Lead	63679.26	OR		P
7439-97-6	Mercury	0.023	U		CV
7440-02-0	Nickel	7.570			P
7440-22-4	Silver	1.080	U		P

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

EPA SAMPLE NO.

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK(3-18-10)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659
Matrix (soil/water): WATER Lab Sample ID: B1659-05
Level (low/med): LOW Date Received: 3/19/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	10.0	U		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	3.000	U		P
7440-47-3	Chromium	5.000	U		P
7440-50-8	Copper	10.0	U		P
7439-92-1	Lead	6.320			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-22-4	Silver	5.000	U		P

Color Before: Colorless Clarity Before: Clear Texture: _____
Color After: Colorless Clarity After: Clear Artifacts: _____

Comments: _____

Hit Summary Sheet
SW-846

SDG No.:	B1659			Order ID:	B1659			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	DUP-03							
B1659-04	DUP-03	SOIL	Arsenic	6.820	OR	2.150	0.71	mg/Kg
B1659-04	DUP-03	SOIL	Cadmium	0.86		0.65	0.13	mg/Kg
B1659-04	DUP-03	SOIL	Chromium	13928.88		1.07693	.2800	mg/Kg
B1659-04	DUP-03	SOIL	Copper	420	OR	2.150	0.69	mg/Kg
B1659-04	DUP-03	SOIL	Lead	63679.26		1.29232	.8400	mg/Kg
B1659-04	DUP-03	SOIL	Nickel	7.570		4.310	0.99	mg/Kg
Client ID:	DUP-03DL							
B1659-04DL	DUP-03DL	SOIL	Arsenic	9.560	J	21.5	7.110	mg/Kg
B1659-04DL	DUP-03DL	SOIL	Chromium	16500		10.8	2.800	mg/Kg
B1659-04DL	DUP-03DL	SOIL	Copper	487		21.5	6.890	mg/Kg
B1659-04DL	DUP-03DL	SOIL	Lead	70900		12.9	8.400	mg/Kg
Client ID:	DW-3							
B1659-01	DW-3	SOIL	Arsenic	6.290	J	2.350	0.78	mg/Kg
B1659-01	DW-3	SOIL	Cadmium	0.67		0.71	0.14	mg/Kg
B1659-01	DW-3	SOIL	Chromium	12700		1.180	0.31	mg/Kg
B1659-01	DW-3	SOIL	Copper	420	OR	2.350	0.75	mg/Kg
B1659-01	DW-3	SOIL	Lead	64955.3		1.41176	.9176	mg/Kg
B1659-01	DW-3	SOIL	Mercury	0.092		0.024	0.005	mg/Kg
B1659-01	DW-3	SOIL	Nickel	8.560		4.710	1.080	mg/Kg
Client ID:	DW-3DL							
B1659-01DL	DW-3DL	SOIL	Chromium	14700		11.8	3.060	mg/Kg
B1659-01DL	DW-3DL	SOIL	Copper	481		23.5	7.530	mg/Kg
B1659-01DL	DW-3DL	SOIL	Lead	72100		14.1	9.180	mg/Kg
Client ID:	FIELDBLANK(3-18-10)							
B1659-05	FIELDBLANK(3-18-	WATER	Lead	6.320		6.000	2.600	ug/L

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Arsenic	10.0	U	10.0	U	10.0	U	4.5	J	10.000	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Cadmium	3.0	U	3.0	U	1.0	J	1.4	J	3.000	U	P
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Lead	6.0	U	6.0	U	6.0	U	6.0	U	6.000	U	P
Mercury	0.237	J							0.010	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Silver	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Arsenic			10.0	U	10.0	U	10.0	U	1.000	U	P
Beryllium			3.0	U	3.0	U	3.0	U	0.300	U	P
Cadmium			0.9	J	1.4	J	3.0	U	0.300	U	P
Chromium			5.0	U	1.2	J	5.0	U	0.500	U	P
Copper			10.0	U	10.0	U	10.0	U	1.000	U	P
Lead			4.2	J	9.2	J	6.0	U	0.600	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U			CV
Nickel			20.0	U	20.0	U	20.0	U	2.000	U	P
Silver			5.0	U	5.0	U	5.0	U	0.500	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Arsenic			10.0	U	10.0	U					P
Beryllium			3.0	U	3.0	U					P
Cadmium			0.9	J	0.7	J					P
Chromium			5.0	U	5.0	U					P
Copper			10.0	U	10.0	U					P
Lead			6.0	U	6.0	U					P
Mercury			0.200	U							CV
Nickel			20.0	U	20.0	U					P
Silver			5.0	U	5.0	U					P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Mercury	0.10	J	0.20	U	0.11	J	0.20	U	-0.112	J	CV

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Mercury			0.20	U	0.09	J					CV

Metals

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLELab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659ICP-AES Instrument ID: P4 ICS Source: INOR-VEN

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Arsenic	0	101	10.5		101	100.0				
Beryllium	0	475	1.0		474	99.8				
Cadmium	0	940	1.2		949	101.0				
Chromium	43	511	39.6	92.1	495	96.9				
Copper	0	548	11.7		456	83.2				
Lead	0	61	6.5		53.9	88.4				
Nickel	0	984	20.3		978	99.4				
Silver	0	206	-0.84		216	104.9				

Metals
4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659
 ICP-MS Instrument ID: P4 ICS Source: INOR-VEN
 Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Arsenic	0	101	10.5		101	100.0
Beryllium	0	475	1.0		474	99.8
Cadmium	0	940	1.2		949	101.0
Chromium	43	511	39.6	92.1	495	96.9
Copper	0	548	11.7		456	83.2
Lead	0	61	6.5		53.9	88.4
Nickel	0	984	20.3		978	99.4
Silver	0	206	-0.84		216	104.9

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

DW-3SLab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1659NRAS No.: B1659 SDG NO.: B1659Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 42.5Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic	73 - 114	188.7200		6.2894		188.24	96.9		P
Beryllium	79 - 112	40.8729		0.7059	U	47.06	86.9		P
Cadmium	73 - 114	42.9553		0.6706	J	47.06	89.9		P
Chromium		12426.1200		12734.8200		94.12	-328.0		P
Copper		472.8235		420.1882		70.59	74.6		P
Lead		72727.0600		72101.1700		235.29	266.0		P
Mercury	34 - 153	0.5976		0.0921		0.47	107.6		CV
Nickel	64 - 129	117.2377		8.5624		117.65	92.4		P
Silver	54 - 131	16.0753		1.1765	U	17.65	91.1		P

Comments:

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

DW-3SDLab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1659NRAS No.: B1659 SDG NO.: B1659Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 42.5Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic	73 - 114	190.5271		6.2894		188.24	97.9		P
Beryllium	79 - 112	41.5647		0.7059	U	47.06	88.3		P
Cadmium	73 - 114	44.0024		0.6706	J	47.06	92.1		P
Chromium		12517.4100		12734.8200		94.12	-231.0		P
Copper		473.5765		420.1882		70.59	75.6		P
Lead		72722.3600		72101.1700		235.29	264.0		P
Mercury	34 - 153	0.5882		0.0392		0.47	116.8		CV
Nickel	64 - 129	120.2306		8.5624		117.65	94.9		P
Silver	54 - 131	16.5200		1.1765	U	17.65	93.6		P

Comments:

USEPA - CLP
6-IN
DUPLICATES

EPA SAMPLE NO.

DW-3D

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659
 Matrix (soil/water): SOIL Level (low/med): LOW
 % Solids for Sample: 42.5 % Solids for Duplicate: 42.5
 Concentration Units:(ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Arsenic	2.3529	6.2894	7.0094	10.8		P
Beryllium		0.7059 U	0.7059 U			P
Cadmium		0.6706 J	0.6847 J	2.1		P
Chromium		12734.8200	12813.1800	0.6		P
Copper		420.1882	416.3294	0.9		P
Lead		72101.1700	70755.2900	1.9		P
Mercury	0.0235	0.0921	0.0541	52.0		CV
Nickel	4.7059	8.5624	8.6729	1.3		P
Silver		1.1765 U	1.1765 U			P

**USEPA - CLP
6-IN
DUPLICATES**

EPA SAMPLE NO.

DW-3SD

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659
 Matrix (soil/water): SOIL Level (low/med): LOW
 % Solids for Sample: 42.5 % Solids for Duplicate: 42.5
 Concentration Units:(ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Arsenic		188.7200	190.5271	1.0		P
Beryllium		40.8729	41.5647	1.7		P
Cadmium		42.9553	44.0024	2.4		P
Chromium		12426.1200	12517.4100	0.7		P
Copper		472.8235	473.5765	0.2		P
Lead		72727.0600	72722.3600	0.0		P
Mercury		0.5976	0.5882	1.6		CV
Nickel		117.2377	120.2306	2.5		P
Silver		16.0753	16.5200	2.7		P

Metals

7 - IN

LABORATORY CONTROL SAMPLELab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1659NRAS No: B1659 SDG NO.: B1659Solid LCS Source: PLASMA-PUREAqueous LCS Source: PLASMA-PURE

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Arsenic	800.0	760.88	95.1	80.0	74.1		82.0	112.0	92.6
Beryllium	200.0	196.14	98.1	20.0	19.7		84.0	113.0	98.5
Cadmium	200.0	189.67	94.8	20.0	18.8		82.0	117.0	94.0
Chromium	400.0	402.14	100.5	40.0	41.4		84.0	115.0	103.5
Copper	300.0	304.25	101.4	30.0	30.3		80.0	115.0	101.0
Lead	1000.0	934.83	93.5	100.0	92.1		82.0	117.0	92.1
Mercury	4.000	4.150	103.8	0.200	0.197		73.0	121.0	98.5
Nickel	500.0	481.87	96.4	50.0	48.0		85.0	118.0	96.0
Silver	75.0	73.17	97.6	7.5	7.5		81.0	123.0	100.0

Metals

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

DW-3L

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1659

NRAS No.: B1659 SDG NO.: B1659

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Difference	Q	M
		C			C				
Arsenic	26.73			25.30	J		5.3		P
Beryllium	3.00	U		15.00	U				P
Cadmium	2.85	J		15.00	U		100.0		P
Chromium	54123.00			62815.00			16.1		P
Copper	1785.80			2004.95			12.3		P
Lead	306430.00			311940.00			1.8		P
Mercury	0.78			1.02			30.8		CV
Nickel	36.39			37.15	J		2.1		P
Silver	5.00	U		25.00	U				P



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/18/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/19/10
Client Sample ID:	DW-3	SDG No.:	B1659
Lab Sample ID:	B1659-01	Matrix:	SOIL
		% Solid:	42.5

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	35		1	1.18	1.18	mg/Kg	03/19/10	03/22/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/18/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/19/10
Client Sample ID:	DUP-03	SDG No.:	B1659
Lab Sample ID:	B1659-04	Matrix:	SOIL
		% Solid:	43.8

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	25		1	1.14	1.14	mg/Kg	03/19/10	03/22/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/18/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/19/10
Client Sample ID:	FIELDBLANK(3-18-10)	SDG No.:	B1659
Lab Sample ID:	B1659-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.01	U	1	0.01	0.01	mg/L	03/19/10	03/22/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Initial and Continuing Calibration Blank Summary

Client: P.W. Grosser Consulting

SDG No.: B1659

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: Cyanide	CCB1	mg/L	< 0.010	+/-0.010	U	0.010	03/22/2010
Sample ID: Cyanide	CCB2	mg/L	< 0.010	+/-0.010	U	0.010	03/22/2010
Sample ID: Cyanide	CCB3	mg/L	< 0.010	+/-0.010	U	0.010	03/22/2010
Sample ID: Cyanide	CCB4	mg/L	< 0.010	+/-0.010	U	0.010	03/22/2010
Sample ID: Cyanide	ICB1	mg/L	< 0.010	+/-0.010	U	0.010	03/22/2010
Sample ID: Cyanide	ICB2	mg/L	< 0.010	+/-0.010	U	0.010	03/22/2010
Sample ID: Cyanide	ICB3	mg/L	< 0.010	+/-0.010	U	0.010	03/22/2010



Preparation Blank Summary

Client: P.W. Grosser Consulting

SDG No.: B1659

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: Cyanide	PBS1	mg/Kg	< 0.500	+/-0.500	U	0.500	03/22/2010
Sample ID: Cyanide	PBS2	mg/Kg	< 0.500	+/-0.500	U	0.500	03/22/2010
Sample ID: Cyanide	PBW1	mg/L	< 0.010	+/-0.010	U	0.010	03/22/2010



Matrix Spike Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1659
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1659-01
Client ID:	B1659-01S	Percent Solids for Spike Sample:	42.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	80-120	51.900		35.00		11.80	1	143.22		03/22/2010

Matrix Spike Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1659

Project:

Ronkonkona Wallpaper- Suffolk County

Sample ID:

B1659-01

Client ID:

B1659-01SD

Percent Solids for Spike Sample:

42.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	80-120	51.400		35.00		11.80	1	139.0		03/22/2010



Duplicate Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1659

Project:

Ronkonkona Wallpaper- Suffolk County

Sample ID:

B1659-01

Client ID:

B1659-01SD

Percent Solids for Spike Sample:

42.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	51.90		51.400		1	0.97		03/22/2010

Duplicate Sample Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1659
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1668-06
Client ID:	SP-1D	Percent Solids for Spike Sample:	86.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.580	U	0.580	U	1	0		03/22/2010



Laboratory Control Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1659

Project:

Ronkonkona Wallpaper- Suffolk County

Analyte		Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSS1								
Cyanide		mg/Kg	10.00	9.400		94.0	1	80-120	03/22/2010



Laboratory Control Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1659

Project:

Ronkonkona Wallpaper- Suffolk County

Analyte		Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSS2								
Cyanide		mg/Kg	10.00	9.430		94.3	1	80-120	03/22/2010



Laboratory Control Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1659

Project:

Ronkonkona Wallpaper- Suffolk County

Analyte		Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSW1								
Cyanide		mg/L	0.10	0.103		103.0	1	80-120	03/22/2010

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : RONKONKONA WALLPAPER- SUFFOLK COUNTY

P.W. GROSSER CONSULTING

630 Johnson Ave.

Suite 7

Bohemia , NY - 11716

Phone No: 6315896353

ORDER ID : B1773

ATTENTION : Zeb Youngman

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-1	B1773-01	8260B	8270C			6010B, 7470A	9012A
MW-4	B1773-04	8260B	8270C			6010B, 7470A	9012A
MW-5	B1773-05	8260B	8270C			6010B, 7470A	9012A
DUP-04	B1773-06	8260B	8270C			6010B, 7470A	9012A
FIELD BLANK (4-1-2010)	B1773-07	8260B	8270C			6010B, 7470A	9012A
TRIP BLANK(4- 1-2010)	B1773-08	8260B					
MW-1	B1773-09					6010B, 7470A	
MW-4	B1773-12					6010B, 7470A	
MW-5	B1773-13					6010B, 7470A	
DUP-04	B1773-14					6010B, 7470A	

**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
B1773-01	WATER	04/01/10	04/02/10	04/05/10	04/06/10
B1773-04	WATER	04/01/10	04/02/10	04/05/10	04/06/10
B1773-05	WATER	04/01/10	04/02/10	04/05/10	04/06/10
B1773-06	WATER	04/01/10	04/02/10	04/05/10	04/06/10
B1773-07	WATER	04/01/10	04/02/10	04/05/10	04/06/10

* Details For Test :SVOC-TCL BNA -20

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
B1773-01	WATER	04/01/10	04/02/10		04/05/10
B1773-04	WATER	04/01/10	04/02/10		04/05/10
B1773-05	WATER	04/01/10	04/02/10		04/07/10
B1773-06	WATER	04/01/10	04/02/10		04/05/10
B1773-07	WATER	04/01/10	04/02/10		04/05/10
B1773-08	WATER	03/03/10	04/02/10		04/05/10

* Details For Test :VOC-TCLVOA-10

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
B1773-01	Water	8260B	5030		
B1773-02	Water	8260B	5030		
B1773-03	Water	8260B	5030		
B1773-04	Water	8260B	5030		
B1773-05	Water	8260B	5030		
B1773-06	Water	8260B	5030		
B1773-07	Water	8260B	5030		
B1773-08	Water	8260B	5030		

**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
B1773-01	Water	8270C	3510C		
B1773-02	Water	8270C	3510C		
B1773-03	Water	8270C	3510C		
B1773-04	Water	8270C	3510C		
B1773-05	Water	8270C	3510C		
B1773-06	Water	8270C	3510C		
B1773-07	Water	8270C	3510C		

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IV

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1773-01	WATER	Metals ICP-TAL	04/02/10	04/02/10	04/06/10
B1773-04	WATER	Metals ICP-TAL	04/02/10	04/02/10	04/06/10
B1773-05	WATER	Metals ICP-TAL	04/02/10	04/02/10	04/07/10
B1773-06	WATER	Metals ICP-TAL	04/02/10	04/02/10	04/07/10
B1773-07	WATER	Metals ICP-TAL	04/02/10	04/02/10	04/07/10

* Details For Test :Metals ICP-TAL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1773-09	WATER	Dissolved ICP-TAL Metals	04/02/10	04/02/10	04/07/10
B1773-12	WATER	Dissolved ICP-TAL Metals	04/02/10	04/02/10	04/07/10
B1773-13	WATER	Dissolved ICP-TAL Metals	04/02/10	04/02/10	04/07/10
B1773-14	WATER	Dissolved ICP-TAL Metals	04/02/10	04/02/10	04/07/10

* Details For Test :Dissolved ICP-TAL Metals

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1773-09	WATER	Dissolved Mercury	04/02/10	04/05/10	04/06/10
B1773-12	WATER	Dissolved Mercury	04/02/10	04/05/10	04/06/10
B1773-13	WATER	Dissolved Mercury	04/02/10	04/05/10	04/06/10
B1773-14	WATER	Dissolved Mercury	04/02/10	04/05/10	04/06/10

* Details For Test :Dissolved Mercury

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IV

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B1773-01	WATER	Mercury	04/02/10	04/05/10	04/06/10
B1773-04	WATER	Mercury	04/02/10	04/05/10	04/06/10
B1773-05	WATER	Mercury	04/02/10	04/05/10	04/06/10
B1773-06	WATER	Mercury	04/02/10	04/05/10	04/06/10
B1773-07	WATER	Mercury	04/02/10	04/05/10	04/06/10

* Details For Test :Mercury

Cover Page

Order ID : B1773

Project ID : Ronkonkona Wallpaper- Suffolk County

Client : P.W. Grosser Consulting

Lab Sample Number

B1773-01
B1773-02
B1773-03
B1773-04
B1773-05
B1773-06
B1773-07
B1773-08
B1773-09
B1773-10
B1773-11
B1773-12
B1773-13
B1773-14

Client Sample Number

MW-1
B1773-01MS
B1773-01MSD
MW-4
MW-5
DUP-04
FIELDBLANK(4-1-2010)
TRIPBLANK(4-1-2010)
MW-1
B1773-09MS
B1773-09MSD
MW-4
MW-5
DUP-04

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 : _____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1773

A. Number of Samples and Date of Receipt:

14 Water samples were received on 4/2/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, 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 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260B.

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 BSD0407W1 met requirements for all samples except for Acetone but it was not detected in samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82D032610W.M) for Dichlorodifluoromethane. This compound is passing on linear regressions, however in this case it was left on average response factor.

The Continuing Calibration (File ID:VD028729.D Method 82D032610W.M) met the requirements except for Bromomethane, Acetone and Methyl Acetate but they were not detected in samples.

The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1773

A. Number of Samples and Date of Receipt:

14 Water samples were received on 4/2/10.

B. Parameters

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

C. Analytical Techniques:

The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 μ m df, Catalog # 42704.

The analysis of SVOC-TCL BNA -20 was based on method 8270C 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 except for Benzaldehyde.

The MSD recoveries met the acceptable requirements except for Benzaldehyde.

The RPD recoveries met criteria.

The Blank Spike met requirements for all samples except for Benzaldehyde.

Benzaldehyde is not present in any of the samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BE040210.M) for 2,4-Dinitrophenol. Quadratic regression was performed for this compound and the coef of det (r^2) is greater than 0.99.

The ICV (BE063044.D Method 8270-BE040210.M) met the requirements except for Benzaldehyde.

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.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1773

A. Number of Samples and Date of Receipt:

14 Water samples were received on 4/2/10.

B. Parameters:

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

C. Analytical Techniques:

The analysis of Dissolved ICP-TAL Metals was based on method 6010B, Dissolved Mercury was based on method 7470A, Metals ICP-TAL was based on method 6010B and Mercury was based on method 7470A

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 met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The Following Calibrations (Dated 04-06-10) are failing:

CCV05 & CCV07 are failing for Magnesium, Vanadium and Zinc.

CCV06 is failing for Calcium, Magnesium, Vanadium and Zinc.

CCV08 is failing for Magnesium, and Zinc.

The samples analyzed under this calibration were re-analyzed on Date 04-07-10 for Calcium, Magnesium, Vanadium and Zinc.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1773

A. Number of Samples and Date of Receipt:

14 Water samples were received on 4/2/10.

B. Parameters:

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

C. Analytical Techniques:

The analysis of Cyanide was based on method 9012A

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 met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

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_____



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-01Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028712.DLevel: (low/med) Date Received: 04/02/10% Moisture: not dec. 100 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-01Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028712.DLevel: (low/med) Date Received: 04/02/10% Moisture: not dec. 100 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-04

Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028706.D

Level: (low/med) Date Received: 04/02/10

% Moisture: not dec. 100 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-04Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028706.DLevel: (low/med) _____ Date Received: 04/02/10% Moisture: not dec. 100 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-05Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028735.DLevel: (low/med) _____ Date Received: 04/02/10% Moisture: not dec. 100 Date Analyzed: 04/07/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-05Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028735.DLevel: (low/med) Date Received: 04/02/10% Moisture: not dec. 100 Date Analyzed: 04/07/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-04

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-06Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028711.DLevel: (low/med) _____ Date Received: 04/02/10% Moisture: not dec. 100 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-04

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-06Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028711.DLevel: (low/med) Date Received: 04/02/10% Moisture: not dec. 100 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK(4-1-2010)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-07

Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028705.D

Level: (low/med) Date Received: 04/02/10

% Moisture: not dec. 100 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK(4-1-2010)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-07

Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028705.D

Level: (low/med) Date Received: 04/02/10

% Moisture: not dec. 100 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK(4-1-2010)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-08

Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028704.D

Level: (low/med) Date Received: 04/02/10

% Moisture: not dec. 100 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK(4-1-2010)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-08Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028704.DLevel: (low/med) Date Received: 04/02/10% Moisture: not dec. 100 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM CASE No.: B1773 SAS No.: B1773 SDG NO.: B1773

	EPA Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBD0405W2	93	96	97	92	0
02	BSD0405W1	97	100	95	100	0
03	TRIPBLANK(4-1-2010)	96	103	100	93	0
04	FIELDBLANK(4-1-2010)	105	99	96	91	0
05	MW-4	95	104	100	91	0
06	DUP-04	105	99	95	84	0
07	MW-1	102	99	93	79	0
08	MW-1MS	104	102	102	102	0
09	MW-1MSD	96	102	92	93	0
10	VBD0407W2	102	95	96	89	0
11	BSD0407W1	100	96	95	98	0
12	MW-5	102	101	94	89	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (66-150)

SMC2 (DBFM) =Dibromofluoromethane (76-130)

SMC3 (TOL) =Toluene-d8 (78-121)

SMC4 (BFB) =4-Bromofluorobenzene (70-131)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : B1773-02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	50	0	51	102	(24-175)
Chloromethane	50	0	56	112	(29-190)
Vinyl Chloride	50	0	51	102	(39-171)
Bromomethane	50	0	66	132	(34-167)
Chloroethane	50	0	60	120	(38-170)
Trichlorofluoromethane	50	0	57	114	(38-171)
1,1,2-Trichlorotrifluoroethane	50	0	54	108	(47-152)
1,1-Dichloroethene	50	0	51	102	(47-149)
Acetone	250	0	240	96	(28-181)
Carbon Disulfide	50	0	36	72	(34-160)
Methyl tert-butyl Ether	50	0	49	98	(39-166)
Methyl Acetate	50	0	49	98	(29-176)
Methylene Chloride	50	0	46	92	(48-149)
trans-1,2-Dichloroethene	50	0	52	104	(53-143)
1,1-Dichloroethane	50	0	52	104	(57-150)
Cyclohexane	50	0	52	104	(42-159)
2-Butanone	250	0	250	100	(47-160)
Carbon Tetrachloride	50	0	51	102	(38-158)
cis-1,2-Dichloroethene	50	0	49	98	(41-160)
Chloroform	50	0	52	104	(56-152)
1,1,1-Trichloroethane	50	0	55	110	(57-148)
Methylcyclohexane	50	0	50	100	(41-152)
Benzene	50	0	46	92	(59-140)
1,2-Dichloroethane	50	0	51	102	(56-151)
Trichloroethene	50	0	48	96	(49-146)
1,2-Dichloropropane	50	0	45	90	(63-140)
Bromodichloromethane	50	0	48	96	(60-144)
4-Methyl-2-Pentanone	250	0	270	108	(51-160)
Toluene	50	0	48	96	(60-139)
t-1,3-Dichloropropene	50	0	47	94	(51-148)
cis-1,3-Dichloropropene	50	0	44	88	(53-143)
1,1,2-Trichloroethane	50	0	46	92	(65-138)
2-Hexanone	250	0	240	96	(44-170)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 76 outside limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : B1773-02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Dibromochloromethane	50	0	48	96	(56-146)
1,2-Dibromoethane	50	0	43	86	(63-142)
Tetrachloroethene	50	0	37	74	(23-148)
Chlorobenzene	50	0	47	94	(57-136)
Ethyl Benzene	50	0	48	96	(49-146)
m/p-Xylenes	100	0	97	97	(51-140)
o-Xylene	50	0	50	100	(54-139)
Styrene	50	0	49	98	(48-141)
Bromoform	50	0	40	80	(48-141)
Isopropylbenzene	50	0	42	84	(48-143)
1,1,2,2-Tetrachloroethane	50	0	45	90	(52-151)
1,3-Dichlorobenzene	50	0	44	88	(63-129)
1,4-Dichlorobenzene	50	0	44	88	(57-134)
1,2-Dichlorobenzene	50	0	45	90	(57-136)
1,2-Dibromo-3-Chloropropane	50	0	44	88	(46-157)
1,2,4-Trichlorobenzene	50	0	44	88	(53-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 76 outside limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : B1773-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % % (ug/L)		QC LIMITS	
					RPD	REC
Dichlorodifluoromethane	50	52	104	2	20	(24-175)
Chloromethane	50	53	106	6	20	(29-190)
Vinyl Chloride	50	51	102	0	20	(39-171)
Bromomethane	50	64	128	3	20	(34-167)
Chloroethane	50	60	120	0	20	(38-170)
Trichlorofluoromethane	50	56	112	2	20	(38-171)
1,1,2-Trichlorotrifluoroethane	50	55	110	2	20	(47-152)
1,1-Dichloroethene	50	53	106	4	20	(47-149)
Acetone	250	240	96	0	20	(28-181)
Carbon Disulfide	50	36	72	0	20	(34-160)
Methyl tert-butyl Ether	50	52	104	6	20	(39-166)
Methyl Acetate	50	51	102	4	20	(29-176)
Methylene Chloride	50	45	90	2	20	(48-149)
trans-1,2-Dichloroethene	50	51	102	2	20	(53-143)
1,1-Dichloroethane	50	49	98	6	20	(57-150)
Cyclohexane	50	47	94	10	20	(42-159)
2-Butanone	250	230	92	8	20	(47-160)
Carbon Tetrachloride	50	49	98	4	20	(38-158)
cis-1,2-Dichloroethene	50	47	94	4	20	(41-160)
Chloroform	50	49	98	6	20	(56-152)
1,1,1-Trichloroethane	50	51	102	8	20	(57-148)
Methylcyclohexane	50	45	90	11	20	(41-152)
Benzene	50	45	90	2	20	(59-140)
1,2-Dichloroethane	50	49	98	4	20	(56-151)
Trichloroethene	50	46	92	4	20	(49-146)
1,2-Dichloropropane	50	44	88	2	20	(63-140)
Bromodichloromethane	50	46	92	4	20	(60-144)
4-Methyl-2-Pentanone	250	250	100	8	20	(51-160)
Toluene	50	43	86	11	20	(60-139)
t-1,3-Dichloropropene	50	42	84	11	20	(51-148)
cis-1,3-Dichloropropene	50	39	78	12	20	(53-143)
1,1,2-Trichloroethane	50	44	88	4	20	(65-138)
2-Hexanone	250	220	88	9	20	(44-170)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 76 outside limits

Spike Recovery : 2 Out of 152 outside limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : B1773-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % % (ug/L)		QC LIMITS	
					RPD	REC
Dibromochloromethane	50	42	84	13	20	(56-146)
1,2-Dibromoethane	50	39	78	10	20	(63-142)
Tetrachloroethene	50	35	70	6	20	(23-148)
Chlorobenzene	50	47	94	0	20	(57-136)
Ethyl Benzene	50	48	96	0	20	(49-146)
m/p-Xylenes	100	98	98	1	20	(51-140)
o-Xylene	50	47	94	6	20	(54-139)
Styrene	50	48	96	2	20	(48-141)
Bromoform	50	38	76	5	20	(48-141)
Isopropylbenzene	50	42	84	0	20	(48-143)
1,1,2,2-Tetrachloroethane	50	44	88	2	20	(52-151)
1,3-Dichlorobenzene	50	42	84	5	20	(63-129)
1,4-Dichlorobenzene	50	42	84	5	20	(57-134)
1,2-Dichlorobenzene	50	42	84	7	20	(57-136)
1,2-Dibromo-3-Chloropropane	50	44	88	0	20	(46-157)
1,2,4-Trichlorobenzene	50	43	86	2	20	(53-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 76 outside limits

Spike Recovery : 2 Out of 152 outside limits

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : BSD0405W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		12	60	(35-124)
Chloromethane	20		13	65	(37-148)
Vinyl Chloride	20		14	70	(45-144)
Bromomethane	20		16	80	(44-146)
Chloroethane	20		17	85	(46-148)
Trichlorofluoromethane	20		17	85	(56-137)
1,1,2-Trichlorotrifluoroethane	20		16	80	(52-142)
1,1-Dichloroethene	20		16	80	(57-135)
Acetone	100		130	130	(50-149)
Carbon Disulfide	20		15	75	(36-155)
Methyl tert-butyl Ether	20		17	85	(60-144)
Methyl Acetate	20		20	100	(51-158)
Methylene Chloride	20		16	80	(61-138)
trans-1,2-Dichloroethene	20		16	80	(59-137)
1,1-Dichloroethane	20		16	80	(64-142)
Cyclohexane	20		15	75	(56-141)
2-Butanone	100		96	96	(56-152)
Carbon Tetrachloride	20		17	85	(59-138)
cis-1,2-Dichloroethene	20		16	80	(64-137)
Chloroform	20		18	90	(67-138)
1,1,1-Trichloroethane	20		18	90	(65-132)
Methylcyclohexane	20		15	75	(56-137)
Benzene	20		15	75	(66-135)
1,2-Dichloroethane	20		18	90	(65-137)
Trichloroethene	20		16	80	(65-134)
1,2-Dichloropropane	20		15	75	(68-137)
Bromodichloromethane	20		17	85	(67-134)
4-Methyl-2-Pentanone	100		87	87	(63-146)
Toluene	20		16	80	(67-133)
t-1,3-Dichloropropene	20		17	85	(66-135)
cis-1,3-Dichloropropene	20		16	80	(66-132)
1,1,2-Trichloroethane	20		17	85	(67-136)
2-Hexanone	100		90	90	(56-153)
Dibromochloromethane	20		17	85	(64-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 76 outside limits

Comments: _____



3B

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773Matrix Spike - EPA Sample No : BSD0405W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		16	80	(66-137)
Tetrachloroethene	20		18	90	(37-178)
Chlorobenzene	20		16	80	(67-133)
Ethyl Benzene	20		15	75	(66-133)
m/p-Xylenes	40		31	78	(65-134)
o-Xylene	20		16	80	(65-134)
Styrene	20		16	80	(65-136)
Bromoform	20		16	80	(56-157)
Isopropylbenzene	20		14	70	(66-133)
1,1,2,2-Tetrachloroethane	20		16	80	(63-136)
1,3-Dichlorobenzene	20		15	75	(66-131)
1,4-Dichlorobenzene	20		16	80	(65-131)
1,2-Dichlorobenzene	20		15	75	(66-132)
1,2-Dibromo-3-Chloropropane	20		17	85	(54-141)
1,2,4-Trichlorobenzene	20		14	70	(61-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 76 outside limits

Comments: _____

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : BSD0407W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		14	70	(35-124)
Chloromethane	20		16	80	(37-148)
Vinyl Chloride	20		17	85	(45-144)
Bromomethane	20		23	115	(44-146)
Chloroethane	20		23	115	(46-148)
Trichlorofluoromethane	20		19	95	(56-137)
1,1,2-Trichlorotrifluoroethane	20		19	95	(52-142)
1,1-Dichloroethene	20		19	95	(57-135)
Acetone	100		160	160*	(50-149)
Carbon Disulfide	20		18	90	(36-155)
Methyl tert-butyl Ether	20		18	90	(60-144)
Methyl Acetate	20		21	105	(51-158)
Methylene Chloride	20		18	90	(61-138)
trans-1,2-Dichloroethene	20		19	95	(59-137)
1,1-Dichloroethane	20		19	95	(64-142)
Cyclohexane	20		19	95	(56-141)
2-Butanone	100		110	110	(56-152)
Carbon Tetrachloride	20		19	95	(59-138)
cis-1,2-Dichloroethene	20		17	85	(64-137)
Chloroform	20		19	95	(67-138)
1,1,1-Trichloroethane	20		19	95	(65-132)
Methylcyclohexane	20		19	95	(56-137)
Benzene	20		17	85	(66-135)
1,2-Dichloroethane	20		19	95	(65-137)
Trichloroethene	20		18	90	(65-134)
1,2-Dichloropropane	20		17	85	(68-137)
Bromodichloromethane	20		18	90	(67-134)
4-Methyl-2-Pentanone	100		99	99	(63-146)
Toluene	20		16	80	(67-133)
t-1,3-Dichloropropene	20		17	85	(66-135)
cis-1,3-Dichloropropene	20		17	85	(66-132)
1,1,2-Trichloroethane	20		16	80	(67-136)
2-Hexanone	100		100	100	(56-153)
Dibromochloromethane	20		18	90	(64-137)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 76 outside limits

Comments: _____



3B

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773Matrix Spike - EPA Sample No : BSD0407W1

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		16	80	(66-137)
Tetrachloroethene	20		17	85	(37-178)
Chlorobenzene	20		17	85	(67-133)
Ethyl Benzene	20		18	90	(66-133)
m/p-Xylenes	40		35	88	(65-134)
o-Xylene	20		18	90	(65-134)
Styrene	20		18	90	(65-136)
Bromoform	20		17	85	(56-157)
Isopropylbenzene	20		15	75	(66-133)
1,1,2,2-Tetrachloroethane	20		16	80	(63-136)
1,3-Dichlorobenzene	20		16	80	(66-131)
1,4-Dichlorobenzene	20		16	80	(65-131)
1,2-Dichlorobenzene	20		16	80	(66-132)
1,2-Dibromo-3-Chloropropane	20		16	80	(54-141)
1,2,4-Trichlorobenzene	20		14	70	(61-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 76 outside limits

Comments: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBD0405W2

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1773SAS No.: B1773 SDG NO.: B1773Lab File ID: VD028701.DLab Sample ID: VBD0405W2Date Analyzed: 04/05/2010Time Analyzed: 12:19GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAD

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSD0405W1	BSD0405W1	VD028702.D	04/05/2010
TRIPBLANK(4-1-2010)	B1773-08	VD028704.D	04/05/2010
FIELDBLANK(4-1-2010)	B1773-07	VD028705.D	04/05/2010
MW-4	B1773-04	VD028706.D	04/05/2010
DUP-04	B1773-06	VD028711.D	04/05/2010
MW-1	B1773-01	VD028712.D	04/05/2010
MW-1MS	B1773-02MS	VD028713.D	04/05/2010
MW-1MSD	B1773-03MSD	VD028714.D	04/05/2010

COMMENTS: _____



4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBD0407W2

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1773SAS No.: B1773 SDG NO.: B1773Lab File ID: VD028731.DLab Sample ID: VBD0407W2Date Analyzed: 04/07/2010Time Analyzed: 12:49GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAD

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSD0407W1	BSD0407W1	VD028732.D	04/07/2010
MW-5	B1773-05	VD028735.D	04/07/2010

COMMENTS: _____



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBD0405W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: VBD0405W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028701.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBD0405W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: VBD0405W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028701.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 04/05/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBD0407W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: VBD0407W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028731.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 04/07/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBD0407W2

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: VBD0407W2Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028731.DLevel: (low/med) Date Received: % Moisture: not dec. 100 Date Analyzed: 04/07/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG NO.: B1773
Lab File ID: VD028699.D Date Analyzed: 04/05/2010
Instrument ID: MSVOAD Time Analyzed: 11:02
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1126195	3.62	1628729	4.29	1072459	7.44
UPPER LIMIT	2252390	4.12	3257458	4.79	2144918	7.94
LOWER LIMIT	563097.5	3.12	814364.5	3.79	536229.5	6.94
EPA SAMPLE NO.						
MW-1	801552	3.66	1257329	4.33	819858	7.47
MW-1MS	816842	3.66	1244922	4.33	868891	7.48
MW-1MSD	1002905	3.66	1436786	4.33	969187	7.47
MW-4	970283	3.65	1356732	4.32	1006605	7.47
DUP-04	819634	3.66	1280696	4.33	844150	7.48
FIELDBLANK (4-1-2010)	950700	3.65	1448466	4.32	1035541	7.46
TRIPBLANK (4-1-2010)	998608	3.64	1452952	4.31	1072460	7.47
BSD0405W1	1033173	3.64	1527460	4.31	1110745	7.46
VBD0405W2	1036447	3.64	1528974	4.30	1141859	7.46

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG NO.: B1773
Lab File ID: VD028699.D Date Analyzed: 04/05/2010
Instrument ID: MSVOAD Time Analyzed: 11:02
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	535411	9.41				
UPPER LIMIT	1070822	9.91				
LOWER LIMIT	267705.5	8.91				
EPA SAMPLE NO.						
MW-1	349338	9.44				
MW-1MS	480636	9.44				
MW-1MSD	500977	9.44				
MW-4	419480	9.43				
DUP-04	357696	9.44				
FIELD BLANK (4-1-2010)	466307	9.43				
TRIP BLANK (4-1-2010)	468427	9.43				
BSD0405W1	540464	9.43				
VBD0405W2	490554	9.42				

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG NO.: B1773
Lab File ID: VD028729.D Date Analyzed: 04/07/2010
Instrument ID: MSVOAD Time Analyzed: 11:31
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	965383	3.64	1442869	4.31	959407	7.46
UPPER LIMIT	1930766	4.14	2885738	4.81	1918814	7.96
LOWER LIMIT	482691.5	3.14	721434.5	3.81	479703.5	6.96
EPA SAMPLE NO.						
MW-5	881495	3.66	1317856	4.33	905587	7.47
BSD0407W1	886979	3.66	1364245	4.33	946207	7.47
VBD0407W2	872227	3.65	1396534	4.32	999260	7.47

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 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.



8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PWGR01
Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG NO.: B1773
Lab File ID: VD028729.D Date Analyzed: 04/07/2010
Instrument ID: MSVOAD Time Analyzed: 11:31
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	463567	9.43				
UPPER LIMIT	927134	9.93				
LOWER LIMIT	231783.5	8.93				
EPA SAMPLE NO.						
MW-5	386527	9.44				
BSD0407W1	496597	9.44				
VBD0407W2	440553	9.43				

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 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.



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-01

Sample wt/vol: 900 (g/mL) ml Lab File ID: BE063102.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/L</u>	Q
100-52-7	Benzaldehyde	11	U
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2-oxybis(1-Chloropropane)	11	U
98-86-2	Acetophenone	11	U
65794-96-9	3+4-Methylphenols	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
105-60-2	Caprolactam	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
92-52-4	1,1-Biphenyl	11	U
91-58-7	2-Chloronaphthalene	11	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-01Sample wt/vol: 900 (g/mL) ml Lab File ID: BE063102.DLevel: (low/med) LOW Date Received: 04/02/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/L</u>	Q
88-74-4	2-Nitroaniline	11	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	11	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	11	U
100-02-7	4-Nitrophenol	11	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	11	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U
86-30-6	N-Nitrosodiphenylamine	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
1912-24-9	Atrazine	11	U
87-86-5	Pentachlorophenol	11	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-01Sample wt/vol: 900 (g/mL) ml Lab File ID: BE063102.DLevel: (low/med) LOW Date Received: 04/02/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-01

Sample wt/vol: 900 (g/mL) ml Lab File ID: BE063102.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Concentration Units: ug/L

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.75	19	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.19	19	AB
	unknown10.82	10.82	2.7	JB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-04

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063103.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-04

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063103.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-04Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063103.DLevel: (low/med) LOW Date Received: 04/02/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-04

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063103.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Concentration Units: ug/L

Number TICS found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.75	16	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.19	15	AB
5444-75-7	Benzoic acid, 2-ethylhexyl ester	8.71	3.3	J
	unknown10.82	10.82	2.5	JB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-05

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063104.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-05

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063104.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-05Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063104.DLevel: (low/med) LOW Date Received: 04/02/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-05

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063104.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Concentration Units: ug/L

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.75	15	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.19	14	AB
	unknown10.82	10.82	2.4	JB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-04

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-06

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063105.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-04

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-06

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063105.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-04

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-06Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063105.DLevel: (low/med) LOW Date Received: 04/02/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP-04

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-06

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063105.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Concentration Units: ug/L

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.75	17	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.19	15	AB
	unknown10.82	10.82	2.5	JB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK(4-1-2010)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-07

Sample wt/vol: 920 (g/mL) ml Lab File ID: BE063106.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	11	U
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2-oxybis(1-Chloropropane)	11	U
98-86-2	Acetophenone	11	U
65794-96-9	3+4-Methylphenols	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
105-60-2	Caprolactam	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
92-52-4	1,1-Biphenyl	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	11	U
131-11-3	Dimethylphthalate	11	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK(4-1-2010)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-07

Sample wt/vol: 920 (g/mL) ml Lab File ID: BE063106.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	11	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	11	U
100-02-7	4-Nitrophenol	11	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	11	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U
86-30-6	N-Nitrosodiphenylamine	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
1912-24-9	Atrazine	11	U
87-86-5	Pentachlorophenol	11	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U

Comments:



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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK(4-1-2010)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: B1773-07Sample wt/vol: 920 (g/mL) ml Lab File ID: BE063106.DLevel: (low/med) LOW Date Received: 04/02/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK(4-1-2010)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-07

Sample wt/vol: 920 (g/mL) ml Lab File ID: BE063106.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Concentration Units: ug/L

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.76	9.1	JB
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.19	35	AB
	unknown10.82	10.82	3.2	JB

Hit Summary Sheet

SW-846

SDG No.: B1773

Client: P.W. Grosser Consulting

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
Client ID : DUP-04									
B1773-06	DUP-04	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	15.000	AB	0	0	ug/L
B1773-06	DUP-04	WATER	Butane, 2-methoxy-2-methyl-	*	17.000	JB	0	0	ug/L
B1773-06	DUP-04	WATER	unknown10.82	*	2.500	JB	0	0	ug/L
Total Tics :						34.50			
Total Concentration:						34.50			
Client ID : FIELDBLANK(4-1-2010)									
B1773-07	FIELDBLANK(4-1-2010	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	35.000	AB	0	0	ug/L
B1773-07	FIELDBLANK(4-1-2010	WATER	Butane, 2-methoxy-2-methyl-	*	9.100	JB	0	0	ug/L
B1773-07	FIELDBLANK(4-1-2010	WATER	unknown10.82	*	3.200	JB	0	0	ug/L
Total Tics :						47.30			
Total Concentration:						47.30			
Client ID : MW-1									
B1773-01	MW-1	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	19.000	AB	0	0	ug/L
B1773-01	MW-1	WATER	Butane, 2-methoxy-2-methyl-	*	19.000	JB	0	0	ug/L
B1773-01	MW-1	WATER	unknown10.82	*	2.700	JB	0	0	ug/L
Total Tics :						40.70			
Total Concentration:						40.70			
Client ID : MW-4									
B1773-04	MW-4	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	15.000	AB	0	0	ug/L
B1773-04	MW-4	WATER	Benzoic acid, 2-ethylhexyl ester	*	3.300	J	0	0	ug/L
B1773-04	MW-4	WATER	Butane, 2-methoxy-2-methyl-	*	16.000	JB	0	0	ug/L
B1773-04	MW-4	WATER	unknown10.82	*	2.500	JB	0	0	ug/L
Total Tics :						36.80			
Total Concentration:						36.80			
Client ID : MW-5									
B1773-05	MW-5	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	14.000	AB	0	0	ug/L
B1773-05	MW-5	WATER	Butane, 2-methoxy-2-methyl-	*	15.000	JB	0	0	ug/L
B1773-05	MW-5	WATER	unknown10.82	*	2.400	JB	0	0	ug/L
Total Tics :						31.40			
Total Concentration:						31.40			



-2C-

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Chemtech

Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 () #	S8 () #	TOT OUT
01	MW-1MS	67	50	92	90	94	80			0
02	MW-1MSD	65	48	92	91	95	79			0
03	PB48487BS	63	18	91	90	93	83			0
04	PB48487B	57	40	88	86	92	77			0
05	MW-1	63	45	93	91	97	78			0
06	MW-4	59	41	90	91	98	79			0
07	MW-5	57	39	87	89	94	73			0
08	DUP-04	56	38	90	92	97	79			0
09	FIELD BLANK(4-1-2010)	95	91	113	108	113	96			0

QC LIMITS

S1 (2FP) = 2-Fluorophenol	(10-160)
S2 (PHL) = Phenol-d5	(10-160)
S3 (NBZ) = Nitrobenzene-d5	(20-139)
S4 (FBP) = 2-Fluorobiphenyl	(10-173)
S5 (TBP) = 2,4,6-Tribromophenol	(10-169)
S6 (TPH) = Terphenyl-d14	(20-171)
S7 () =	
S8 () =	

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : B1773-02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Benzaldehyde	50	0	3.7	7*	(10-160)
Phenol	50	0	29	58	(10-161)
bis(2-Chloroethyl)ether	50	0	49	98	(27-159)
2-Chlorophenol	50	0	48	96	(10-148)
2-Methylphenol	50	0	47	94	(10-150)
2,2-oxybis(1-Chloropropane)	50	0	50	100	(30-151)
Acetophenone	50	0	52	104	(42-139)
3+4-Methylphenols	50	0	44	88	(10-131)
n-Nitroso-di-n-propylamine	50	0	49	98	(22-167)
Hexachloroethane	50	0	47	94	(13-140)
Nitrobenzene	50	0	50	100	(24-157)
Isophorone	50	0	50	100	(23-168)
2-Nitrophenol	50	0	50	100	(10-166)
2,4-Dimethylphenol	50	0	51	102	(10-153)
bis(2-Chloroethoxy)methane	50	0	49	98	(22-165)
2,4-Dichlorophenol	50	0	50	100	(10-166)
Naphthalene	50	0	48	96	(10-169)
4-Chloroaniline	50	0	6.6	13	(10-161)
Hexachlorobutadiene	50	0	46	92	(14-140)
Caprolactam	50	0	21	42	(10-160)
4-Chloro-3-methylphenol	50	0	51	102	(10-177)
2-Methylnaphthalene	50	0	49	98	(25-151)
Hexachlorocyclopentadiene	100	0	94	94	(10-145)
2,4,6-Trichlorophenol	50	0	51	102	(10-155)
2,4,5-Trichlorophenol	50	0	50	100	(10-173)
1,1-Biphenyl	50	0	53	106	(35-142)
2-Chloronaphthalene	50	0	49	98	(27-158)
2-Nitroaniline	50	0	51	102	(22-178)
Dimethylphthalate	50	0	51	102	(11-146)
Acenaphthylene	50	0	51	102	(25-162)
2,6-Dinitrotoluene	50	0	52	104	(33-168)
3-Nitroaniline	50	0	16	32	(10-120)
Acenaphthene	50	0	51	102	(19-166)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 4 Out of 234 outside limits

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : B1773-02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
2,4-Dinitrophenol	100	0	100	100	(10-192)
4-Nitrophenol	100	0	73	73	(10-161)
Dibenzofuran	50	0	51	102	(26-164)
2,4-Dinitrotoluene	50	0	53	106	(27-172)
Diethylphthalate	50	0	53	106	(31-158)
4-Chlorophenyl-phenylether	50	0	50	100	(25-168)
Fluorene	50	0	50	100	(18-171)
4-Nitroaniline	50	0	47	94	(17-162)
4,6-Dinitro-2-methylphenol	50	0	62	124	(10-203)
n-Nitrosodiphenylamine	50	0	49	98	(26-167)
4-Bromophenyl-phenylether	50	0	49	98	(44-155)
Hexachlorobenzene	50	0	51	102	(31-160)
Atrazine	50	0	54	108	(25-169)
Pentachlorophenol	100	0	110	110	(10-179)
Phenanthrene	50	0	51	102	(29-168)
Anthracene	50	0	49	98	(20-176)
Carbazole	50	0	51	102	(36-171)
Di-n-butylphthalate	50	0	52	104	(33-177)
Fluoranthene	50	0	50	100	(23-174)
Pyrene	50	0	51	102	(19-182)
Butylbenzylphthalate	50	0	53	106	(37-172)
3,3-Dichlorobenzidine	50	0	32	64	(10-160)
Benzo(a)anthracene	50	0	53	106	(33-165)
Chrysene	50	0	53	106	(37-163)
Bis(2-ethylhexyl)phthalate	50	0	55	110	(35-180)
Di-n-octyl phthalate	50	0	54	108	(36-179)
Benzo(b)fluoranthene	50	0	52	104	(39-171)
Benzo(k)fluoranthene	50	0	51	102	(36-171)
Benzo(a)pyrene	50	0	52	104	(36-165)
Indeno(1,2,3-cd)pyrene	50	0	53	106	(10-179)
Dibenzo(a,h)anthracene	50	0	52	104	(23-172)
Benzo(g,h,i)perylene	50	0	53	106	(10-183)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 4 Out of 234 outside limits

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : B1773-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % % (ug/L)		QC LIMITS	
					RPD	REC
Benzaldehyde	50	2.7	5*	33	50	(10-160)
Phenol	50	27	54	7	50	(10-161)
bis(2-Chloroethyl)ether	50	50	100	2	50	(27-159)
2-Chlorophenol	50	47	94	2	50	(10-148)
2-Methylphenol	50	47	94	0	50	(10-150)
2,2-oxybis(1-Chloropropane)	50	50	100	0	50	(30-151)
Acetophenone	50	53	106	2	50	(42-139)
3+4-Methylphenols	50	44	88	0	50	(10-131)
n-Nitroso-di-n-propylamine	50	51	102	4	50	(22-167)
Hexachloroethane	50	47	94	0	50	(13-140)
Nitrobenzene	50	51	102	2	50	(24-157)
Isophorone	50	52	104	4	50	(23-168)
2-Nitrophenol	50	51	102	2	50	(10-166)
2,4-Dimethylphenol	50	50	100	2	50	(10-153)
bis(2-Chloroethoxy)methane	50	50	100	2	50	(22-165)
2,4-Dichlorophenol	50	51	102	2	50	(10-166)
Naphthalene	50	50	100	4	50	(10-169)
4-Chloroaniline	50	9.0	18	32	50	(10-161)
Hexachlorobutadiene	50	50	100	8	50	(14-140)
Caprolactam	50	18	36	15	50	(10-160)
4-Chloro-3-methylphenol	50	53	106	4	50	(10-177)
2-Methylnaphthalene	50	50	100	2	50	(25-151)
Hexachlorocyclopentadiene	100	97	97	3	50	(10-145)
2,4,6-Trichlorophenol	50	52	104	2	50	(10-155)
2,4,5-Trichlorophenol	50	53	106	6	50	(10-173)
1,1-Biphenyl	50	54	108	2	50	(35-142)
2-Chloronaphthalene	50	51	102	4	50	(27-158)
2-Nitroaniline	50	53	106	4	50	(22-178)
Dimethylphthalate	50	53	106	4	50	(11-146)
Acenaphthylene	50	52	104	2	50	(25-162)
2,6-Dinitrotoluene	50	52	104	0	50	(33-168)
3-Nitroaniline	50	22	44	32	50	(10-120)
Acenaphthene	50	52	104	2	50	(19-166)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 78 outside limits

Spike Recovery : 6 Out of 312 outside limits

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : B1773-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % % (ug/L)		QC LIMITS	
					RPD	REC
2,4-Dinitrophenol	100	100	100	0	50	(10-192)
4-Nitrophenol	100	71	71	3	50	(10-161)
Dibenzofuran	50	52	104	2	50	(26-164)
2,4-Dinitrotoluene	50	53	106	0	50	(27-172)
Diethylphthalate	50	54	108	2	50	(31-158)
4-Chlorophenyl-phenylether	50	49	98	2	50	(25-168)
Fluorene	50	51	102	2	50	(18-171)
4-Nitroaniline	50	49	98	4	50	(17-162)
4,6-Dinitro-2-methylphenol	50	62	124	0	50	(10-203)
n-Nitrosodiphenylamine	50	52	104	6	50	(26-167)
4-Bromophenyl-phenylether	50	53	106	8	50	(44-155)
Hexachlorobenzene	50	54	108	6	50	(31-160)
Atrazine	50	56	112	4	50	(25-169)
Pentachlorophenol	100	120	120	9	50	(10-179)
Phenanthrene	50	53	106	4	50	(29-168)
Anthracene	50	53	106	8	50	(20-176)
Carbazole	50	55	110	8	50	(36-171)
Di-n-butylphthalate	50	56	112	7	50	(33-177)
Fluoranthene	50	55	110	10	50	(23-174)
Pyrene	50	51	102	0	50	(19-182)
Butylbenzylphthalate	50	53	106	0	50	(37-172)
3,3-Dichlorobenzidine	50	29	58	10	50	(10-160)
Benzo(a)anthracene	50	52	104	2	50	(33-165)
Chrysene	50	53	106	0	50	(37-163)
Bis(2-ethylhexyl)phthalate	50	54	108	2	50	(35-180)
Di-n-octyl phthalate	50	54	108	0	50	(36-179)
Benzo(b)fluoranthene	50	53	106	2	50	(39-171)
Benzo(k)fluoranthene	50	53	106	4	50	(36-171)
Benzo(a)pyrene	50	53	106	2	50	(36-165)
Indeno(1,2,3-cd)pyrene	50	53	106	0	50	(10-179)
Dibenzo(a,h)anthracene	50	52	104	0	50	(23-172)
Benzo(g,h,i)perylene	50	53	106	0	50	(10-183)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 1 Out of 78 outside limits

Spike Recovery : 6 Out of 312 outside limits

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : PB48487BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Benzaldehyde	50		4.0	8*	(10-161)
Phenol	50		9.0	18	(10-132)
bis(2-Chloroethyl)ether	50		44	88	(38-127)
2-Chlorophenol	50		42	84	(10-148)
2-Methylphenol	50		40	80	(10-152)
2,2-oxybis(1-Chloropropane)	50		43	86	(46-118)
Acetophenone	50		50	100	(57-116)
3+4-Methylphenols	50		43	86	(10-152)
n-Nitroso-di-n-propylamine	50		47	94	(49-120)
Hexachloroethane	50		40	80	(26-152)
Nitrobenzene	50		43	86	(37-127)
Isophorone	50		45	90	(50-122)
2-Nitrophenol	50		46	92	(49-122)
2,4-Dimethylphenol	50		43	86	(10-119)
bis(2-Chloroethoxy)methane	50		45	90	(48-123)
2,4-Dichlorophenol	50		44	88	(10-124)
Naphthalene	50		42	84	(42-115)
4-Chloroaniline	50		18	36	(10-161)
Hexachlorobutadiene	50		42	84	(33-114)
Caprolactam	50		15	30	(10-161)
4-Chloro-3-methylphenol	50		45	90	(10-114)
2-Methylnaphthalene	50		43	86	(51-114)
Hexachlorocyclopentadiene	100		80	80	(10-155)
2,4,6-Trichlorophenol	50		45	90	(10-121)
2,4,5-Trichlorophenol	50		46	92	(10-123)
1,1-Biphenyl	50		47	94	(58-115)
2-Chloronaphthalene	50		44	88	(52-117)
2-Nitroaniline	50		45	90	(62-123)
Dimethylphthalate	50		45	90	(3-142)
Acenaphthylene	50		45	90	(52-118)
2,6-Dinitrotoluene	50		46	92	(65-120)
3-Nitroaniline	50		22	44	(10-120)
Acenaphthene	50		44	88	(51-118)
2,4-Dinitrophenol	100		88	88	(10-136)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 78 outside limits

Comments: _____

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B1773 SAS No : B1773 SDG No: B1773

Matrix Spike - EPA Sample No : PB48487BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
4-Nitrophenol	100		55	55	(10-161)
Dibenzofuran	50		45	90	(61-115)
2,4-Dinitrotoluene	50		48	96	(68-122)
Diethylphthalate	50		46	92	(51-122)
4-Chlorophenyl-phenylether	50		44	88	(62-119)
Fluorene	50		44	88	(55-121)
4-Nitroaniline	50		44	88	(66-123)
4,6-Dinitro-2-methylphenol	50		52	104	(10-144)
n-Nitrosodiphenylamine	50		45	90	(64-119)
4-Bromophenyl-phenylether	50		44	88	(63-123)
Hexachlorobenzene	50		45	90	(45-136)
Atrazine	50		51	102	(61-132)
Pentachlorophenol	100		97	97	(10-124)
Phenanthrene	50		46	92	(55-126)
Anthracene	50		46	92	(59-122)
Carbazole	50		46	92	(70-124)
Di-n-butylphthalate	50		48	96	(72-121)
Fluoranthene	50		47	94	(61-127)
Pyrene	50		45	90	(62-128)
Butylbenzylphthalate	50		47	94	(66-129)
3,3-Dichlorobenzidine	50		23	46	(10-160)
Benzo(a)anthracene	50		46	92	(52-136)
Chrysene	50		46	92	(55-136)
Bis(2-ethylhexyl)phthalate	50		48	96	(69-130)
Di-n-octyl phthalate	50		47	94	(66-131)
Benzo(b)fluoranthene	50		46	92	(48-149)
Benzo(k)fluoranthene	50		44	88	(54-138)
Benzo(a)pyrene	50		46	92	(55-139)
Indeno(1,2,3-cd)pyrene	50		47	94	(10-145)
Dibenzo(a,h)anthracene	50		46	92	(45-150)
Benzo(g,h,i)perylene	50		44	88	(54-138)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 78 outside limits

Comments: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB48487B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B1773SAS No.: B1773 SDG NO.: B1773Lab File ID: BE063098.DLab Sample ID: PB48487BInstrument ID: BNAEDate Extracted: 04/05/2010Matrix: (soil/water) WATERDate Analyzed: 04/06/2010Level: (low/med) LOWTime Analyzed: 19:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-1MS	B1773-02MS	BE063091.D	04/06/2010
MW-1MSD	B1773-03MSD	BE063092.D	04/06/2010
PB48487BS	PB48487BS	BE063095.D	04/06/2010
MW-1	B1773-01	BE063102.D	04/06/2010
MW-4	B1773-04	BE063103.D	04/06/2010
MW-5	B1773-05	BE063104.D	04/06/2010
DUP-04	B1773-06	BE063105.D	04/06/2010
FIELD BLANK (4-1-2010)	B1773-07	BE063106.D	04/06/2010

COMMENTS: _____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48487B

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: PB48487B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BE063098.D

Level: (low/med) LOW Date Received:

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48487B

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: PB48487B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BE063098.D

Level: (low/med) LOW Date Received:

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB48487B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773Matrix (soil/water): WATER Lab Sample ID: PB48487BSample wt/vol: 1000 (g/mL) ml Lab File ID: BE063098.DLevel: (low/med) LOW Date Received: _____% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PB48487B

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: PB48487B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BE063098.D

Level: (low/med) LOW Date Received:

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Concentration Units: ug/L

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	Butane, 2-methoxy-2-methyl-	1.75	16	J
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.19	16	A
	unknown10.82	10.82	2.3	J



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG NO.: B1773

EPA Sample No.: SSTD040 Date Analyzed: 04/06/2010

Lab File ID: BE063088.D Time Analyzed: 14:57

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	59120	4.77	216217	5.92	108394	7.6
UPPER LIMIT	118240	5.27	432434	6.42	216788	8.1
LOWER LIMIT	29560	4.27	108108.5	5.42	54197	7.1
EPA SAMPLE NO.						
01 MW-1MS	62574	4.77	234023	5.92	113959	7.60
02 MW-1MSD	61115	4.77	226611	5.92	110553	7.60
03 PB48487BS	61034	4.77	231943	5.92	115150	7.60
04 PB48487B	61735	4.77	224240	5.92	114886	7.59
05 MW-1	63210	4.77	237183	5.92	116226	7.59
06 MW-5	64842	4.77	248279	5.92	119560	7.60
07 DUP-04	64431	4.77	240496	5.92	115826	7.60
08 FIELDBLANK (4-1-2010)	65206	4.77	244161	5.92	121695	7.59
09 MW-4	59742	4.77	233183	5.92	113762	7.60

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG NO.: B1773

EPA Sample No.: SSTD040 Date Analyzed: 04/06/2010

Lab File ID: BE063088.D Time Analyzed: 14:57

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	171839	9.25	133893	12.43	120081	14.26
UPPER LIMIT	343678	9.75	267786	12.93	240162	14.76
LOWER LIMIT	85919.5	8.75	66946.5	11.93	60040.5	13.76
EPA SAMPLE NO.						
01 MW-1MS	182818	9.25	132319	12.43	120152	14.27
02 MW-1MSD	168617	9.25	133156	12.42	119831	14.26
03 PB48487BS	178970	9.25	137523	12.42	126859	14.26
04 PB48487B	172247	9.25	146730	12.42	133186	14.26
05 MW-1	182811	9.25	144852	12.42	129306	14.26
06 MW-5	184831	9.25	156037	12.42	139153	14.26
07 DUP-04	178563	9.25	146862	12.42	135473	14.25
08 FIELD BLANK (4-1-2010)	183342	9.24	153261	12.42	139955	14.26
09 MW-4	173646	9.25	146905	12.42	129520	14.25

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.

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
Matrix (soil/water): WATER Lab Sample ID: B1773-01
Level (low/med): LOW Date Received: 4/2/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	225			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	54.1			P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	3.000	U		P
7440-70-2	Calcium	30000			P
7440-47-3	Chromium	10.5			P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	22.5			P
7439-89-6	Iron	324			P
7439-92-1	Lead	3.100	J		P
7439-95-4	Magnesium	6480			P
7439-96-5	Manganese	42.9			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	7.810	J		P
7440-09-7	Potassium	3050			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	25800			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	63.7			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
Matrix (soil/water): WATER Lab Sample ID: B1773-04
Level (low/med): LOW Date Received: 4/2/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	75.2			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	29.9	J		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	1.110	J		P
7440-70-2	Calcium	15800			P
7440-47-3	Chromium	2.160	J		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	24.3			P
7439-89-6	Iron	65.1			P
7439-92-1	Lead	3.530	J		P
7439-95-4	Magnesium	1170			P
7439-96-5	Manganese	57.7			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1630			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	7150			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	12700			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
 Matrix (soil/water): WATER Lab Sample ID: B1773-05
 Level (low/med): LOW Date Received: 4/2/2010
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	54.7			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	30.8	J		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	3.000	U		P
7440-70-2	Calcium	15700			P
7440-47-3	Chromium	2.770	J		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	9.880	J		P
7439-89-6	Iron	53.5			P
7439-92-1	Lead	2.720	J		P
7439-95-4	Magnesium	2670			P
7439-96-5	Manganese	34.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	897	J		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	23000			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	12.8	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-04

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
Matrix (soil/water): WATER Lab Sample ID: B1773-06
Level (low/med): LOW Date Received: 4/2/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	63.3			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	31.2	J		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	0.89	J		P
7440-70-2	Calcium	15700			P
7440-47-3	Chromium	1.410	J		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	22.5			P
7439-89-6	Iron	52.0			P
7439-92-1	Lead	3.680	J		P
7439-95-4	Magnesium	1190			P
7439-96-5	Manganese	58.4			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1580			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	6810			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	12700			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELDBLANK(4-1-2010)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
Matrix (soil/water): WATER Lab Sample ID: B1773-07
Level (low/med): LOW Date Received: 4/2/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14.1	J		P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	50.0	U		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	3.000	U		P
7440-70-2	Calcium	286	J		P
7440-47-3	Chromium	5.000	U		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	50.0	U		P
7439-92-1	Lead	6.000	U		P
7439-95-4	Magnesium	45.5	J		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	183	J		P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	8.180	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
Matrix (soil/water): WATER Lab Sample ID: B1773-09
Level (low/med): LOW Date Received: 4/2/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	95.3			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	50.7			P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	3.000	U		P
7440-70-2	Calcium	30700			P
7440-47-3	Chromium	5.000			P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	10.6			P
7439-89-6	Iron	216			P
7439-92-1	Lead	3.250	J		P
7439-95-4	Magnesium	6590			P
7439-96-5	Manganese	17.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.420	J		P
7440-09-7	Potassium	3060			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	25900			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	60.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
Matrix (soil/water): WATER Lab Sample ID: B1773-12
Level (low/med): LOW Date Received: 4/2/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	57.6			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	29.4	J		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	0.87	J		P
7440-70-2	Calcium	15800			P
7440-47-3	Chromium	5.000	U		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	14.6			P
7439-89-6	Iron	27.0	J		P
7439-92-1	Lead	3.140	J		P
7439-95-4	Magnesium	1210			P
7439-96-5	Manganese	57.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1610			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	7160			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	12700			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
 Matrix (soil/water): WATER Lab Sample ID: B1773-13
 Level (low/med): LOW Date Received: 4/2/2010
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19.7	J		P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	31.3	J		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	3.000	U		P
7440-70-2	Calcium	15500			P
7440-47-3	Chromium	5.000	U		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	50.0	U		P
7439-92-1	Lead	6.000	U		P
7439-95-4	Magnesium	2690			P
7439-96-5	Manganese	33.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	911	J		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	23700			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	12.0	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-04

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
 Matrix (soil/water): WATER Lab Sample ID: B1773-14
 Level (low/med): LOW Date Received: 4/2/2010
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.8	J		P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	31.1	J		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	0.84	J		P
7440-70-2	Calcium	15900			P
7440-47-3	Chromium	5.000	U		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	13.3			P
7439-89-6	Iron	26.4	J		P
7439-92-1	Lead	3.380	J		P
7439-95-4	Magnesium	1200			P
7439-96-5	Manganese	58.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1630			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	7100			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	12800			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

Hit Summary Sheet
SW-846

SDG No.:	B1773			Order ID:	B1773			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	DUP-04							
B1773-06	DUP-04	WATER	Aluminum	63.3		50.0	6.500	ug/L
B1773-06	DUP-04	WATER	Barium	31.2	J	50.0	4.000	ug/L
B1773-06	DUP-04	WATER	Cadmium	0.89	J	3.000	0.50	ug/L
B1773-06	DUP-04	WATER	Calcium	15700		1000	31.8	ug/L
B1773-06	DUP-04	WATER	Chromium	1.410	J	5.000	1.100	ug/L
B1773-06	DUP-04	WATER	Copper	22.5		10.0	6.600	ug/L
B1773-06	DUP-04	WATER	Iron	52.0		50.0	20.4	ug/L
B1773-06	DUP-04	WATER	Lead	3.680	J	6.000	2.600	ug/L
B1773-06	DUP-04	WATER	Magnesium	1190		1000	32.5	ug/L
B1773-06	DUP-04	WATER	Manganese	58.4		10.0	1.700	ug/L
B1773-06	DUP-04	WATER	Potassium	1580		1000	38.8	ug/L
B1773-06	DUP-04	WATER	Sodium	6810		1000	13.9	ug/L
B1773-06	DUP-04	WATER	Zinc	12700		20.0	6.500	ug/L
Client ID:	DUP-04							
B1773-14	DUP-04	WATER	Aluminum	46.8	J	50.0	6.500	ug/L
B1773-14	DUP-04	WATER	Barium	31.1	J	50.0	4.000	ug/L
B1773-14	DUP-04	WATER	Cadmium	0.84	J	3.000	0.50	ug/L
B1773-14	DUP-04	WATER	Calcium	15900		1000	31.8	ug/L
B1773-14	DUP-04	WATER	Copper	13.3		10.0	6.600	ug/L
B1773-14	DUP-04	WATER	Iron	26.4	J	50.0	20.4	ug/L
B1773-14	DUP-04	WATER	Lead	3.380	J	6.000	2.600	ug/L
B1773-14	DUP-04	WATER	Magnesium	1200		1000	32.5	ug/L
B1773-14	DUP-04	WATER	Manganese	58.5		10.0	1.700	ug/L
B1773-14	DUP-04	WATER	Potassium	1630		1000	38.8	ug/L
B1773-14	DUP-04	WATER	Sodium	7100		1000	13.9	ug/L
B1773-14	DUP-04	WATER	Zinc	12800		20.0	6.500	ug/L
Client ID:	FIELDBLANK(4-1-2010)							
B1773-07	FIELDBLANK(4-1-2	WATER	Aluminum	14.1	J	50.0	6.500	ug/L
B1773-07	FIELDBLANK(4-1-2	WATER	Calcium	286	J	1000	31.8	ug/L
B1773-07	FIELDBLANK(4-1-2	WATER	Magnesium	45.5	J	1000	32.5	ug/L
B1773-07	FIELDBLANK(4-1-2	WATER	Sodium	183	J	1000	13.9	ug/L
B1773-07	FIELDBLANK(4-1-2	WATER	Zinc	8.180	J	20.0	6.500	ug/L

Hit Summary Sheet
SW-846

SDG No.: B1773

Order ID: B1773

Client: P.W. Grosser Consulting

Project ID: Ronkonkona Wallpaper- Suffolk C

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	MW-1							
B1773-01	MW-1	WATER	Aluminum	225		50.0	6.500	ug/L
B1773-01	MW-1	WATER	Barium	54.1		50.0	4.000	ug/L
B1773-01	MW-1	WATER	Calcium	30000		1000	31.8	ug/L
B1773-01	MW-1	WATER	Chromium	10.5		5.000	1.100	ug/L
B1773-01	MW-1	WATER	Copper	22.5		10.0	6.600	ug/L
B1773-01	MW-1	WATER	Iron	324		50.0	20.4	ug/L
B1773-01	MW-1	WATER	Lead	3.100	J	6.000	2.600	ug/L
B1773-01	MW-1	WATER	Magnesium	6480		1000	32.5	ug/L
B1773-01	MW-1	WATER	Manganese	42.9		10.0	1.700	ug/L
B1773-01	MW-1	WATER	Nickel	7.810	J	20.0	4.200	ug/L
B1773-01	MW-1	WATER	Potassium	3050		1000	38.8	ug/L
B1773-01	MW-1	WATER	Sodium	25800		1000	13.9	ug/L
B1773-01	MW-1	WATER	Zinc	63.7		20.0	6.500	ug/L
Client ID:	MW-1							
B1773-09	MW-1	WATER	Aluminum	95.3		50.0	6.500	ug/L
B1773-09	MW-1	WATER	Barium	50.7		50.0	4.000	ug/L
B1773-09	MW-1	WATER	Calcium	30700		1000	31.8	ug/L
B1773-09	MW-1	WATER	Chromium	5.000		5.000	1.100	ug/L
B1773-09	MW-1	WATER	Copper	10.6		10.0	6.600	ug/L
B1773-09	MW-1	WATER	Iron	216		50.0	20.4	ug/L
B1773-09	MW-1	WATER	Lead	3.250	J	6.000	2.600	ug/L
B1773-09	MW-1	WATER	Magnesium	6590		1000	32.5	ug/L
B1773-09	MW-1	WATER	Manganese	17.1		10.0	1.700	ug/L
B1773-09	MW-1	WATER	Nickel	4.420	J	20.0	4.200	ug/L
B1773-09	MW-1	WATER	Potassium	3060		1000	38.8	ug/L
B1773-09	MW-1	WATER	Sodium	25900		1000	13.9	ug/L
B1773-09	MW-1	WATER	Zinc	60.1		20.0	6.500	ug/L

Hit Summary Sheet
SW-846

SDG No.:	B1773			Order ID:	B1773			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	MW-4							
B1773-04	MW-4	WATER	Aluminum	75.2		50.0	6.500	ug/L
B1773-04	MW-4	WATER	Barium	29.9	J	50.0	4.000	ug/L
B1773-04	MW-4	WATER	Cadmium	1.110	J	3.000	0.50	ug/L
B1773-04	MW-4	WATER	Calcium	15800		1000	31.8	ug/L
B1773-04	MW-4	WATER	Chromium	2.160	J	5.000	1.100	ug/L
B1773-04	MW-4	WATER	Copper	24.3		10.0	6.600	ug/L
B1773-04	MW-4	WATER	Iron	65.1		50.0	20.4	ug/L
B1773-04	MW-4	WATER	Lead	3.530	J	6.000	2.600	ug/L
B1773-04	MW-4	WATER	Magnesium	1170		1000	32.5	ug/L
B1773-04	MW-4	WATER	Manganese	57.7		10.0	1.700	ug/L
B1773-04	MW-4	WATER	Potassium	1630		1000	38.8	ug/L
B1773-04	MW-4	WATER	Sodium	7150		1000	13.9	ug/L
B1773-04	MW-4	WATER	Zinc	12700		20.0	6.500	ug/L
Client ID:	MW-4							
B1773-12	MW-4	WATER	Aluminum	57.6		50.0	6.500	ug/L
B1773-12	MW-4	WATER	Barium	29.4	J	50.0	4.000	ug/L
B1773-12	MW-4	WATER	Cadmium	0.87	J	3.000	0.50	ug/L
B1773-12	MW-4	WATER	Calcium	15800		1000	31.8	ug/L
B1773-12	MW-4	WATER	Copper	14.6		10.0	6.600	ug/L
B1773-12	MW-4	WATER	Iron	27.0	J	50.0	20.4	ug/L
B1773-12	MW-4	WATER	Lead	3.140	J	6.000	2.600	ug/L
B1773-12	MW-4	WATER	Magnesium	1210		1000	32.5	ug/L
B1773-12	MW-4	WATER	Manganese	57.1		10.0	1.700	ug/L
B1773-12	MW-4	WATER	Potassium	1610		1000	38.8	ug/L
B1773-12	MW-4	WATER	Sodium	7160		1000	13.9	ug/L
B1773-12	MW-4	WATER	Zinc	12700		20.0	6.500	ug/L
Client ID:	MW-5							
B1773-05	MW-5	WATER	Aluminum	54.7		50.0	6.500	ug/L
B1773-05	MW-5	WATER	Barium	30.8	J	50.0	4.000	ug/L
B1773-05	MW-5	WATER	Calcium	15700		1000	31.8	ug/L
B1773-05	MW-5	WATER	Chromium	2.770	J	5.000	1.100	ug/L
B1773-05	MW-5	WATER	Copper	9.880	J	10.0	6.600	ug/L
B1773-05	MW-5	WATER	Iron	53.5		50.0	20.4	ug/L
B1773-05	MW-5	WATER	Lead	2.720	J	6.000	2.600	ug/L
B1773-05	MW-5	WATER	Magnesium	2670		1000	32.5	ug/L
B1773-05	MW-5	WATER	Manganese	34.1		10.0	1.700	ug/L
B1773-05	MW-5	WATER	Potassium	897	J	1000	38.8	ug/L
B1773-05	MW-5	WATER	Sodium	23000		1000	13.9	ug/L
B1773-05	MW-5	WATER	Zinc	12.8	J	20.0	6.500	ug/L

Hit Summary Sheet
SW-846

SDG No.:
Client:

B1773
P.W. Grosser Consulting

Order ID:
Project ID:

B1773
Ronkonkona Wallpaper- Suffolk C

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	MW-5							
B1773-13	MW-5	WATER	Aluminum	19.7	J	50.0	6.500	ug/L
B1773-13	MW-5	WATER	Barium	31.3	J	50.0	4.000	ug/L
B1773-13	MW-5	WATER	Calcium	15500		1000	31.8	ug/L
B1773-13	MW-5	WATER	Magnesium	2690		1000	32.5	ug/L
B1773-13	MW-5	WATER	Manganese	33.6		10.0	1.700	ug/L
B1773-13	MW-5	WATER	Potassium	911	J	1000	38.8	ug/L
B1773-13	MW-5	WATER	Sodium	23700		1000	13.9	ug/L
B1773-13	MW-5	WATER	Zinc	12.0	J	20.0	6.500	ug/L

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	50.0	U	10.5	J	35.6	J	45.3	J	50.000	U	P
Antimony	25.0	U	25.0	U	25.0	U	25.0	U	25.000	U	P
Arsenic	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Barium	-4.9	J	50.0	U	50.0	U	50.0	U	-4.150	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Cadmium	3.0	U	3.0	U	1.7	J	1.9	J	3.000	U	P
Calcium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Cobalt	15.0	U	15.0	U	15.0	U	15.0	U	15.000	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Iron	50.0	U	50.0	U	50.0	U	50.0	U	50.000	U	P
Lead	6.0	U	6.0	U	3.9	J	6.0	U	6.000	U	P
Magnesium	1000.0	U	1000.0	U	35.9	J	1000.0	U	1000.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	2.3	J	10.000	U	P
Mercury	-0.13	J	-0.13	J	0.20	U	-0.10	J	0.200	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Potassium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Selenium	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Silver	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Sodium	1000.0	U	1000.0	U	1000.0	U	17.7	J	1000.000	U	P
Thallium	20.0	U	6.9	J	8.5	J	9.9	J	20.000	U	P
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Zinc	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			8.7	J	50.0	U	50.0	U			P
Antimony			25.0	U	25.0	U	25.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			-7.7	J	-6.0	J	-6.6	J			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			3.0	U	3.0	U	3.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	5.0	U			P
Cobalt			15.0	U	15.0	U	15.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron			50.0	U	50.0	U	50.0	U			P
Lead			6.0	U	6.0	U	6.0	U			P
Magnesium			1000.0	U	1000.0	U	1000.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Mercury			0.20	U	0.20	U					CV
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			1000.0	U	1000.0	U	1000.0	U			P
Selenium			10.0	U	10.0	U	10.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			1000.0	U	1000.0	U	1000.0	U			P
Thallium			2.5	J	4.6	J	3.8	J			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			22.2	J	50.0	U					P
Antimony			25.0	U	25.0	U					P
Arsenic			10.0	U	10.0	U					P
Barium			-7.4	J	-9.9	J					P
Beryllium			3.0	U	3.0	U					P
Cadmium			3.0	U	3.0	U					P
Calcium			1000.0	U	1000.0	U					P
Chromium			5.0	U	5.0	U					P
Cobalt			15.0	U	15.0	U					P
Copper			10.0	U	10.0	U					P
Iron			50.0	U	50.0	U					P
Lead			6.0	U	6.0	U					P
Magnesium			1000.0	U	1000.0	U					P
Manganese			10.0	U	10.0	U					P
Nickel			20.0	U	20.0	U					P
Potassium			1000.0	U	1000.0	U					P
Selenium			10.0	U	10.0	U					P
Silver			5.0	U	5.0	U					P
Sodium			1000.0	U	1000.0	U					P
Thallium			4.9	J	4.5	J					P
Vanadium			20.0	U	20.0	U					P
Zinc			20.0	U	20.0	U					P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Calcium	1000.0	U	1000.0	U	1000.0	U	1000.0	U			P
Magnesium	1000.0	U	1000.0	U	1000.0	U	1000.0	U			P
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U			P
Zinc	20.0	U	20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Calcium			1000.0	U	1000.0	U					P
Magnesium			1000.0	U	1000.0	U					P
Vanadium			20.0	U	20.0	U					P
Zinc			20.0	U	20.0	U					P

Metals

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773ICP-AES Instrument ID: P4 ICS Source: INOR-VEN

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Aluminum	244100	241100	225000	92.2	225000	93.3				
Antimony	0	589	3.1		585	99.3				
Arsenic	0	101	10.1		111	109.9				
Barium	0	495	-0.060		472	95.4				
Beryllium	0	475	1.0		464	97.7				
Cadmium	0	940	0.54		936	99.6				
Calcium	234900	231100	234000	99.6	232000	100.4				
Chromium	43	511	39.3	91.4	487	95.3				
Cobalt	0	461	3.6		467	101.3				
Copper	0	548	6.8		462	84.3				
Iron	95600	94800	91200	95.4	90900	95.9				
Lead	0	61	6.2		53.7	88.0				
Magnesium	247500	251100	246000	99.4	245000	97.6				
Manganese	19	502	19.1	100.5	483	96.2				
Nickel	0	984	17.5		964	98.0				
Potassium	0		3.9		1.5					
Selenium	0	53	2.6		48.8	92.1				
Silver	0	206	-0.85		199	96.6				
Sodium	0		766		766					
Thallium	0	103	3.3		102	99.0				
Vanadium	0	494	2.8		454	91.9				
Zinc	0	1028	27.2		911	88.6				

Metals**4A-IN****ICP-AES INTERFERENCE CHECK SAMPLE**Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773ICP-AES Instrument ID: P4 ICS Source: INOR-VEN

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Calcium	234900	231100	239000	101.7	234000	101.3				
Magnesium	247500	251100	249000	100.6	242000	96.4				
Vanadium	0	494	2.6		466	94.3				
Zinc	0	1028	30.0		930	90.5				

Metals
4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
 ICP-MS Instrument ID: P4 ICS Source: INOR-VEN
 Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Aluminum	244100	241100	225000	92.2	225000	93.3
Antimony	0	589	3.1		585	99.3
Arsenic	0	101	10.1		111	109.9
Barium	0	495	-0.060		472	95.4
Beryllium	0	475	1.0		464	97.7
Cadmium	0	940	0.54		936	99.6
Calcium	234900	231100	234000	99.6	232000	100.4
Chromium	43	511	39.3	91.4	487	95.3
Cobalt	0	461	3.6		467	101.3
Copper	0	548	6.8		462	84.3
Iron	95600	94800	91200	95.4	90900	95.9
Lead	0	61	6.2		53.7	88.0
Magnesium	247500	251100	246000	99.4	245000	97.6
Manganese	19	502	19.1	100.5	483	96.2
Nickel	0	984	17.5		964	98.0
Potassium	0		3.9		1.5	
Selenium	0	53	2.6		48.8	92.1
Silver	0	206	-0.85		199	96.6
Sodium	0		766		766	
Thallium	0	103	3.3		102	99.0
Vanadium	0	494	2.8		454	91.9
Zinc	0	1028	27.2		911	88.6

Metals
4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
 ICP-MS Instrument ID: P4 ICS Source: INOR-VEN
 Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Calcium	234900	231100	239000	101.7	234000	101.3
Magnesium	247500	251100	249000	100.6	242000	96.4
Vanadium	0	494	2.6		466	94.3
Zinc	0	1028	30.0		930	90.5

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-1S

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773NRAS No.: B1773 SDG NO.: B1773Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	64 - 129	2004.7000		224.8600		2000.00	89.0		P
Antimony	74 - 115	727.4400		25.0000	U	800.00	90.9		P
Arsenic	78 - 117	730.0700		10.0000	U	800.00	91.3		P
Barium	81 - 124	249.7900		54.1000		200.00	97.8		P
Beryllium	77 - 116	180.9500		3.0000	U	200.00	90.5		P
Cadmium	72 - 121	177.7300		3.0000	U	200.00	88.9		P
Calcium		31023.0000		29992.0000		1000.00	103.1		P
Chromium	75 - 117	384.1400		10.4700		400.00	93.4		P
Cobalt	74 - 116	179.4700		15.0000	U	200.00	89.7		P
Copper	75 - 111	291.7400		22.4600		300.00	89.8		P
Iron	27 - 152	3133.7000		323.9500		3000.00	93.7		P
Lead	74 - 119	868.9400		3.1000	J	1000.00	86.6		P
Magnesium	10 - 185	8191.1000		6481.1000		2000.00	85.5		P
Manganese	10 - 168	227.1800		42.8900		200.00	92.1		P
Mercury	49 - 128	4.4000		0.2000	U	4.00	110.0		CV
Nickel	75 - 118	459.3100		7.8100	J	500.00	90.3		P
Potassium	41 - 167	11885.0000		3054.0000		10000.00	88.3		P
Selenium	71 - 107	1662.7000		10.0000	U	2000.00	83.1		P
Silver	77 - 122	66.1400		5.0000	U	75.00	88.2		P
Sodium		29212.0000		25754.0000		3000.00	115.3		P
Thallium	76 - 124	1687.5000		20.0000	U	2000.00	84.4		P
Vanadium	78 - 113	273.7800		20.0000	U	300.00	91.3		P
Zinc	62 - 116	235.1800		63.6700		200.00	85.8		P

Comments:

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-1SD

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773NRAS No.: B1773 SDG NO.: B1773Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	64 - 129	1984.7000		224.8600		2000.00	88.0		P
Antimony	74 - 115	731.2800		25.0000	U	800.00	91.4		P
Arsenic	78 - 117	738.5800		10.0000	U	800.00	92.3		P
Barium	81 - 124	248.4900		54.1000		200.00	97.2		P
Beryllium	77 - 116	179.8500		3.0000	U	200.00	89.9		P
Cadmium	72 - 121	178.7600		3.0000	U	200.00	89.4		P
Calcium		31091.0000		29992.0000		1000.00	109.9		P
Chromium	75 - 117	385.6700		10.4700		400.00	93.8		P
Cobalt	74 - 116	181.7700		15.0000	U	200.00	90.9		P
Copper	75 - 111	292.1500		22.4600		300.00	89.9		P
Iron	27 - 152	3140.0000		323.9500		3000.00	93.9		P
Lead	74 - 119	876.9600		3.1000	J	1000.00	87.4		P
Magnesium		8187.1000		6481.1000		2000.00	85.3		P
Manganese	10 - 168	228.8700		42.8900		200.00	93.0		P
Mercury	49 - 128	4.4000		0.2000	U	4.00	110.0		CV
Nickel	75 - 118	463.5100		7.8100	J	500.00	91.1		P
Potassium	41 - 167	11829.0000		3054.0000		10000.00	87.8		P
Selenium	71 - 107	1683.2000		10.0000	U	2000.00	84.2		P
Silver	77 - 122	66.5300		5.0000	U	75.00	88.7		P
Sodium		29171.0000		25754.0000		3000.00	113.9		P
Thallium	76 - 124	1705.5000		20.0000	U	2000.00	85.3		P
Vanadium	78 - 113	274.9400		20.0000	U	300.00	91.6		P
Zinc	62 - 116	235.7300		63.6700		200.00	86.0		P

Comments:

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-1S

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773NRAS No.: B1773 SDG NO.: B1773Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	64 - 129	1814.5000		95.2700		2000.00	86.0		P
Antimony	74 - 115	745.0300		25.0000	U	800.00	93.1		P
Arsenic	78 - 117	739.2000		10.0000	U	800.00	92.4		P
Barium	81 - 124	237.9000		50.6800		200.00	93.6		P
Beryllium	77 - 116	178.2900		3.0000	U	200.00	89.1		P
Cadmium	72 - 121	177.0000		3.0000	U	200.00	88.5		P
Calcium		31153.0000		30724.0000		1000.00	42.9		P
Chromium	75 - 117	374.0500		5.0000		400.00	92.3		P
Cobalt	74 - 116	178.6900		15.0000	U	200.00	89.3		P
Copper	75 - 111	274.4100		10.6100		300.00	87.9		P
Iron	27 - 152	2931.8000		216.0700		3000.00	90.5		P
Lead	74 - 119	870.0000		3.2500	J	1000.00	86.7		P
Magnesium	10 - 185	8276.9000		6590.2000		2000.00	84.3		P
Manganese	10 - 168	198.9300		17.1000		200.00	90.9		P
Mercury	49 - 128	4.8200		0.2000	U	4.00	120.5		CV
Nickel	75 - 118	457.6700		4.4200	J	500.00	90.6		P
Potassium	41 - 167	11597.0000		3058.0000		10000.00	85.4		P
Selenium	71 - 107	1690.8000		10.0000	U	2000.00	84.5		P
Silver	77 - 122	65.8900		5.0000	U	75.00	87.9		P
Sodium		28278.0000		25915.0000		3000.00	78.8		P
Thallium	76 - 124	1687.5000		20.0000	U	2000.00	84.4		P
Vanadium	78 - 113	265.7200		20.0000	U	300.00	88.6		P
Zinc	62 - 116	231.4000		60.1300		200.00	85.6		P

Comments:

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-1SD

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773NRAS No.: B1773 SDG NO.: B1773Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	64 - 129	1817.8000		95.2700		2000.00	86.1		P
Antimony	74 - 115	739.5800		25.0000	U	800.00	92.4		P
Arsenic	78 - 117	743.7100		10.0000	U	800.00	93.0		P
Barium	81 - 124	238.1400		50.6800		200.00	93.7		P
Beryllium	77 - 116	180.1200		3.0000	U	200.00	90.1		P
Cadmium	72 - 121	176.1100		3.0000	U	200.00	88.1		P
Calcium		31106.0000		30724.0000		1000.00	38.2		P
Chromium	75 - 117	376.3200		5.0000		400.00	92.8		P
Cobalt	74 - 116	178.8600		15.0000	U	200.00	89.4		P
Copper	75 - 111	275.0400		10.6100		300.00	88.1		P
Iron	27 - 152	2931.4000		216.0700		3000.00	90.5		P
Lead	74 - 119	866.1500		3.2500	J	1000.00	86.3		P
Magnesium		8193.5000		6590.2000		2000.00	80.2		P
Manganese	10 - 168	199.7900		17.1000		200.00	91.3		P
Mercury	49 - 128	4.7300		0.2000	U	4.00	118.2		CV
Nickel	75 - 118	454.6400		4.4200	J	500.00	90.0		P
Potassium	41 - 167	11612.0000		3058.0000		10000.00	85.5		P
Selenium	71 - 107	1698.4000		10.0000	U	2000.00	84.9		P
Silver	77 - 122	67.2400		5.0000	U	75.00	89.7		P
Sodium		28370.0000		25915.0000		3000.00	81.8		P
Thallium	76 - 124	1677.0000		20.0000	U	2000.00	83.8		P
Vanadium	78 - 113	263.8600		20.0000	U	300.00	88.0		P
Zinc	62 - 116	231.0500		60.1300		200.00	85.5		P

Comments:

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

MW-1D

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECHCase No.: B1773NRAS No.: B1773SDG
NO.:B1773Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0% Solids for Duplicate: 0.0Concentration Units:(ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum	50.0000	224.8600	240.4700	6.7		P
Antimony		25.0000 U	25.0000 U			P
Arsenic		10.0000 U	10.0000 U			P
Barium	50.0000	54.1000	55.3600	2.3		P
Beryllium		3.0000 U	3.0000 U			P
Cadmium		3.0000 U	3.0000 U			P
Calcium		29992.0000	29811.0000	0.6		P
Chromium	5.0000	10.4700	10.7200	2.4		P
Cobalt		15.0000 U	15.0000 U			P
Copper	10.0000	22.4600	23.0300	2.5		P
Iron		323.9500	327.8900	1.2		P
Lead		3.1000 J	3.3400 J	7.5		P
Magnesium		6481.1000	6478.9000	0.0		P
Manganese	10.0000	42.8900	42.9700	0.2		P
Mercury		0.2000 U	0.2000 U			CV
Nickel		7.8100 J	7.9900 J	2.3		P
Potassium	1000.0000	3054.0000	3066.1000	0.4		P
Selenium		10.0000 U	10.0000 U			P
Silver		5.0000 U	5.0000 U			P
Sodium		25754.0000	25960.0000	0.8		P
Thallium		20.0000 U	20.0000 U			P
Vanadium		20.0000 U	20.0000 U			P
Zinc	20.0000	63.6700	63.9300	0.4		P

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

MW-1SD

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECHCase No.: B1773NRAS No.: B1773SDG
NO.:B1773Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0% Solids for Duplicate: 0.0Concentration Units:(ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		2004.7000	1984.7000	1.0		P
Antimony		727.4400	731.2800	0.5		P
Arsenic		730.0700	738.5800	1.2		P
Barium		249.7900	248.4900	0.5		P
Beryllium		180.9500	179.8500	0.6		P
Cadmium		177.7300	178.7600	0.6		P
Calcium		31023.0000	31091.0000	0.2		P
Chromium		384.1400	385.6700	0.4		P
Cobalt		179.4700	181.7700	1.3		P
Copper		291.7400	292.1500	0.1		P
Iron		3133.7000	3140.0000	0.2		P
Lead		868.9400	876.9600	0.9		P
Magnesium		8191.1000	8187.1000	0.0		P
Manganese		227.1800	228.8700	0.7		P
Mercury		4.4000	4.4000	0.0		CV
Nickel		459.3100	463.5100	0.9		P
Potassium		11885.0000	11829.0000	0.5		P
Selenium		1662.7000	1683.2000	1.2		P
Silver		66.1400	66.5300	0.6		P
Sodium		29212.0000	29171.0000	0.1		P
Thallium		1687.5000	1705.5000	1.1		P
Vanadium		273.7800	274.9400	0.4		P
Zinc		235.1800	235.7300	0.2		P

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

MW-1D

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECHCase No.: B1773NRAS No.: B1773SDG
NO.:B1773Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0% Solids for Duplicate: 0.0Concentration Units:(ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum	50.0000	95.2700	93.2400	2.2		P
Antimony		25.0000 U	25.0000 U			P
Arsenic		10.0000 U	10.0000 U			P
Barium	50.0000	50.6800	51.4500	1.5		P
Beryllium		3.0000 U	3.0000 U			P
Cadmium		3.0000 U	3.0000 U			P
Calcium		30724.0000	30932.0000	0.7		P
Chromium	5.0000	5.0000	5.5200	9.9		P
Cobalt		15.0000 U	15.0000 U			P
Copper	10.0000	10.6100	10.4400	1.6		P
Iron	50.0000	216.0700	216.7700	0.3		P
Lead		3.2500 J	4.3500 J	28.9		P
Magnesium		6590.2000	6589.1000	0.0		P
Manganese	10.0000	17.1000	17.2000	0.6		P
Mercury		0.2000 U	0.2000 U			CV
Nickel		4.4200 J	4.9400 J	11.1		P
Potassium	1000.0000	3058.0000	3085.4000	0.9		P
Selenium		10.0000 U	10.0000 U			P
Silver		5.0000 U	5.0000 U			P
Sodium		25915.0000	26279.0000	1.4		P
Thallium		20.0000 U	20.0000 U			P
Vanadium		20.0000 U	20.0000 U			P
Zinc	20.0000	60.1300	60.3400	0.3		P

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

MW-1SD

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECHCase No.: B1773NRAS No.: B1773SDG
NO.:B1773Matrix (soil/water): WATERLevel (low/med): LOW% Solids for Sample: 0.0% Solids for Duplicate: 0.0Concentration Units:(ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		1814.5000	1817.8000	0.2		P
Antimony		745.0300	739.5800	0.7		P
Arsenic		739.2000	743.7100	0.6		P
Barium		237.9000	238.1400	0.1		P
Beryllium		178.2900	180.1200	1.0		P
Cadmium		177.0000	176.1100	0.5		P
Calcium		31153.0000	31106.0000	0.2		P
Chromium		374.0500	376.3200	0.6		P
Cobalt		178.6900	178.8600	0.1		P
Copper		274.4100	275.0400	0.2		P
Iron		2931.8000	2931.4000	0.0		P
Lead		870.0000	866.1500	0.4		P
Magnesium		8276.9000	8193.5000	1.0		P
Manganese		198.9300	199.7900	0.4		P
Mercury		4.8200	4.7300	1.9		CV
Nickel		457.6700	454.6400	0.7		P
Potassium		11597.0000	11612.0000	0.1		P
Selenium		1690.8000	1698.4000	0.4		P
Silver		65.8900	67.2400	2.0		P
Sodium		28278.0000	28370.0000	0.3		P
Thallium		1687.5000	1677.0000	0.6		P
Vanadium		265.7200	263.8600	0.7		P
Zinc		231.4000	231.0500	0.2		P

Metals

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1773 NRAS No: B1773 SDG NO.: B1773

Solid LCS Source: _____

Aqueous LCS Source: PLASMA-PURE

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits	%R	
Aluminum	2000.0	1826.90	91.3						
Antimony	800.0	783.77	98.0						
Arsenic	800.0	764.77	95.6						
Barium	200.0	200.57	100.3						
Beryllium	200.0	198.96	99.5						
Cadmium	200.0	192.22	96.1						
Calcium	1000.0	968.23	96.8						
Chromium	400.0	397.08	99.3						
Cobalt	200.0	191.99	96.0						
Copper	300.0	297.97	99.3						
Iron	3000.0	3012.60	100.4						
Lead	1000.0	927.57	92.8						
Magnesium	2000.0	1859.50	93.0						
Manganese	200.0	199.07	99.5						
Mercury	4.000	4.690	117.2						
Nickel	500.0	483.89	96.8						
Potassium	10000.0	9278.60	92.8						
Selenium	2000.0	1901.40	95.1						
Silver	75.0	70.19	93.6						
Sodium	3000.0	2851.70	95.1						
Thallium	2000.0	1789.30	89.5						
Vanadium	300.0	292.55	97.5						
Zinc	200.0	196.24	98.1						

Metals

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MW-1L

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B1773NRAS No.: B1773 SDG NO.: B1773Matrix (soil/water): WATERLevel (low/med): LOWConcentration Units: ug/L

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Difference	Q	M
			C			C			
Aluminum	224.86			260.95			16.0		P
Antimony	25.00	U		125.00	U				P
Arsenic	10.00	U		50.00	U				P
Barium	54.10			29.70	J		45.1		P
Beryllium	3.00	U		15.00	U				P
Cadmium	3.00	U		15.00	U				P
Calcium	29992.00			31447.00			4.9		P
Chromium	10.47			7.55	J		27.9		P
Cobalt	15.00	U		75.00	U				P
Copper	22.46			50.00	U		100.0		P
Iron	323.95			311.05			4.0		P
Lead	3.10	J		30.00	U		100.0		P
Magnesium	6481.10			6809.00			5.1		P
Manganese	42.89			44.30	J		3.3		P
Mercury	0.20	U		1.00	U				CV
Nickel	7.81	J		100.00	U		100.0		P
Potassium	3054.00			3184.65	J		4.3		P
Selenium	10.00	U		50.00	U				P
Silver	5.00	U		25.00	U				P
Sodium	25754.00			26950.00			4.6		P
Thallium	20.00	U		100.00	U				P
Vanadium	20.00	U		100.00	U				P
Zinc	63.67			64.60	J		1.5		P

Metals

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MW-1L

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B1773

NRAS No.: B1773 SDG NO.: B1773

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Difference	Q	M
			C			C			
Aluminum	95.27			119.25	J		25.2		P
Antimony	25.00	U		125.00	U				P
Arsenic	10.00	U		50.00	U				P
Barium	50.68			24.20	J		52.2		P
Beryllium	3.00	U		15.00	U				P
Cadmium	3.00	U		15.00	U				P
Calcium	30724.00			32372.50			5.4		P
Chromium	5.00			25.00	U		100.0		P
Cobalt	15.00	U		75.00	U				P
Copper	10.61			50.00	U		100.0		P
Iron	216.07			214.10	J		0.9		P
Lead	3.25	J		30.00	U		100.0		P
Magnesium	6590.20			6948.50			5.4		P
Manganese	17.10			18.95	J		10.8		P
Mercury	0.20	U		1.00	U				CV
Nickel	4.42	J		100.00	U		100.0		P
Potassium	3058.00			3108.50	J		1.7		P
Selenium	10.00	U		50.00	U				P
Silver	5.00	U		25.00	U				P
Sodium	25915.00			26574.50			2.5		P
Thallium	20.00	U		100.00	U				P
Vanadium	20.00	U		100.00	U				P
Zinc	60.13			63.75	J		6.0		P



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	04/01/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	04/02/10
Client Sample ID:	MW-1	SDG No.:	B1773
Lab Sample ID:	B1773-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.01	U	1	0.01	0.01	mg/L	04/05/10	04/05/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	04/01/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	04/02/10
Client Sample ID:	MW-4	SDG No.:	B1773
Lab Sample ID:	B1773-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.01	U	1	0.01	0.01	mg/L	04/05/10	04/05/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	04/01/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	04/02/10
Client Sample ID:	MW-5	SDG No.:	B1773
Lab Sample ID:	B1773-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.01	U	1	0.01	0.01	mg/L	04/05/10	04/05/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	04/01/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	04/02/10
Client Sample ID:	DUP-04	SDG No.:	B1773
Lab Sample ID:	B1773-06	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.01	U	1	0.01	0.01	mg/L	04/05/10	04/05/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



Initial and Continuing Calibration Blank Summary

Client: P.W. Grosser Consulting

SDG No.: B1773

Project: Ronkonkona Wallpaper- Suffolk County

Analyte		Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: Cyanide	CCB1	mg/L	< 0.010	+/-0.010	U	0.010	04/05/2010
Sample ID: Cyanide	CCB2	mg/L	< 0.010	+/-0.010	U	0.010	04/05/2010
Sample ID: Cyanide	CCB3	mg/L	< 0.010	+/-0.010	U	0.010	04/05/2010
Sample ID: Cyanide	CCB4	mg/L	< 0.010	+/-0.010	U	0.010	04/05/2010
Sample ID: Cyanide	CCB5	mg/L	< 0.010	+/-0.010	U	0.010	04/05/2010
Sample ID: Cyanide	ICB1	mg/L	< 0.010	+/-0.010	U	0.010	04/05/2010
Sample ID: Cyanide	ICB2	mg/L	< 0.010	+/-0.010	U	0.010	04/05/2010



Preparation Blank Summary

Client: P.W. Grosser Consulting

SDG No.: B1773

Project: Ronkonkona Wallpaper- Suffolk County

Analyte	Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: PBW1 Cyanide	mg/L	< 0.010	+/-0.010	U	0.010	04/05/2010



Matrix Spike Summary

Client:

P.W. Grosser Consulting

Project:

Ronkonkona Wallpaper- Suffolk County

Client ID:

B1773-01S

SDG No.:

B1773

Sample ID:

B1773-01

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/L	80-120	0.096		0.010	U	0.10	1	96.0		04/05/2010

Matrix Spike Summary

Client:

P.W. Grosser Consulting

Project:

Ronkonkona Wallpaper- Suffolk County

Client ID:

B1773-01SD

SDG No.:

B1773

Sample ID:

B1773-01

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/L	80-120	0.096		0.010	U	0.10	1	96.0		04/05/2010



Duplicate Sample Summary

Client:	P.W. Grosser Consulting	SDG No.:	B1773
Project:	Ronkonkona Wallpaper- Suffolk County	Sample ID:	B1773-01
Client ID:	B1773-01SD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/L	+/-20	0.096		0.096		1	0		04/05/2010



Laboratory Control Sample Summary

Client:

P.W. Grosser Consulting

SDG No.:

B1773

Project:

Ronkonkona Wallpaper- Suffolk County

Analyte		Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LCSW1								
Cyanide		mg/L	0.100	0.104		104.0	1	80-120	04/05/2010

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : RONKONKONA WALLPAPER- SUFFOLK COUNTY

P.W. GROSSER CONSULTING

630 Johnson Ave.

Suite 7

Bohemia , NY - 11716

Phone No: 6315896353

ORDER ID : B2850

ATTENTION : Zeb Youngman



DoD ELAP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SS-2(6-8)	B2850-01					6010B, 7471A	Chemtech -SOP
SS-3(6-8)	B2850-02					6010B, 7471A	Chemtech -SOP
SS-4(6-8)	B2850-03		8270C			6010B, 7471A	Chemtech -SOP
SS-5(6-8)	B2850-06					6010B, 7471A	Chemtech -SOP
SS-7(6-8)	B2850-07					6010B, 7471A	Chemtech -SOP
SS-8(6-8)	B2850-08					6010B, 7471A	Chemtech -SOP
SS-10(6-8)	B2850-09					6010B, 7471A	Chemtech -SOP
SS-11(6-8)	B2850-10					6010B, 7471A	Chemtech -SOP
SS-12(6-8)	B2850-11					6010B, 7471A	Chemtech -SOP
DUP-09	B2850-12					6010B, 7471A	Chemtech -SOP
FIELDBLANK	B2850-14		8270C			6010B, 7470A	

**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
B2850-03	SOIL	06/25/10	06/29/10	06/30/10	07/03/10
B2850-14	WATER	06/25/10	06/29/10	06/29/10	07/02/10

* Details For Test :SVOC-TCL BNA -20

**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
B2850-03	Solid	8270C	3550		
B2850-04	Solid	8270C	3550		
B2850-05	Solid	8270C	3550		
B2850-14	Water	8270C	3550,3510C		

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IV

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B2850-01	SOIL	Mercury	06/29/10	06/30/10	07/01/10
B2850-02	SOIL	Mercury	06/29/10	06/30/10	07/01/10
B2850-03	SOIL	Mercury	06/29/10	06/30/10	07/01/10
B2850-06	SOIL	Mercury	06/29/10	06/30/10	07/01/10
B2850-07	SOIL	Mercury	06/29/10	06/30/10	07/01/10
B2850-08	SOIL	Mercury	06/29/10	06/30/10	07/01/10
B2850-09	SOIL	Mercury	06/29/10	06/30/10	07/01/10
B2850-10	SOIL	Mercury	06/29/10	06/30/10	07/01/10
B2850-11	SOIL	Mercury	06/29/10	06/30/10	07/01/10
B2850-12	SOIL	Mercury	06/29/10	06/30/10	07/01/10
B2850-14	WATER	Mercury	06/29/10	07/01/10	07/02/10

* 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	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
B2850-01	SOIL	Metals ICP- TAL	06/29/10	06/30/10	07/01/10
B2850-02	SOIL	Metals ICP- TAL	06/29/10	06/30/10	07/01/10
B2850-03	SOIL	Metals ICP- TAL	06/29/10	06/30/10	07/01/10
B2850-06	SOIL	Metals ICP- TAL	06/29/10	06/30/10	07/01/10
B2850-07	SOIL	Metals ICP- TAL	06/29/10	06/30/10	07/01/10
B2850-08	SOIL	Metals ICP- TAL	06/29/10	06/30/10	07/01/10
B2850-09	SOIL	Metals ICP- TAL	06/29/10	06/30/10	07/01/10
B2850-10	SOIL	Metals ICP- TAL	06/29/10	06/30/10	07/01/10
B2850-11	SOIL	Metals ICP- TAL	06/29/10	06/30/10	07/01/10
B2850-12	SOIL	Metals ICP- TAL	06/29/10	06/30/10	07/01/10
B2850-14	WATER	Metals ICP- TAL	06/29/10	07/01/10	07/01/10

* Details For Test :Metals ICP-TAL



Cover Page

Order ID : B2850

Project ID : Ronkonkona Wallpaper- Suffolk County

Client : P.W. Grosser Consulting

Lab Sample Number

B2850-01
B2850-02
B2850-03
B2850-04
B2850-05
B2850-06
B2850-07
B2850-08
B2850-09
B2850-10
B2850-11
B2850-12
B2850-14

Client Sample Number

SS-2(6-8)
SS-3(6-8)
SS-4(6-8)
B2850-03MS
B2850-03MSD
SS-5(6-8)
SS-7(6-8)
SS-8(6-8)
SS-10(6-8)
SS-11(6-8)
SS-12(6-8)
DUP-09
FIELDBLANK

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 : _____



CASE NARRATIVE

LaBella Associates P.C.

Project Name: Former Photech Imaging Site

Project # N/A

Chemtech Project # B2764

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 6/22/10.

3 Water samples were received on 6/22/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Flash Point, Mercury, Metals Group1, Metals Group3, Metals Group5, Metals ICP-Group1, PCB, Pesticide-TCL, pH, SVOC-TCL BN, TCLP ICP Metals, TCLP Mercury, TCLP METALS, and VOCMS Group1. This data package contains results for SVOC-TCL BN.

C. Analytical Techniques:

The samples were analyzed on instrument BNA F using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.

The analysis of SVOC-TCL BN was based on method 8270C and extraction was done based on method 3541.

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 except for 4-Chloroaniline and 3,3'-Dichlorobenzidine.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The ICV met the requirements except for Benzaldehyde.

The Tuning criteria met requirements.

Limited sample volume was taken at time of extraction for Samples BLDG-17-TRENCH-MHW, BLDG-4+6-WW, BLDG-5TW due to sample matrix.

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_____



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B2850

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 6/29/10.

2 Water samples were received on 6/29/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, and SVOC-TCL BNA -20. This data package contains results for Metals ICP-TAL and Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010B and Mercury was based on method 7470A

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 except for Mercury.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements except for Calcium and Magnesium.

E. Additional Comments:

CCV16 failing for calcium.

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_____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(6-8)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850

Matrix (soil/water): SOIL Lab Sample ID: B2850-03

Sample wt/vol: 30.12 (g/mL) g Lab File ID: BE065334.D

Level: (low/med) LOW Date Received: 06/29/10

% Moisture: 3 Decanted: (Y/N) N Date Extracted: 06/30/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/03/10

Injection Volume: 1 Dilution Factor: 20

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	6800	U
108-95-2	Phenol	6800	U
111-44-4	bis(2-Chloroethyl)ether	6800	U
95-57-8	2-Chlorophenol	6800	U
95-48-7	2-Methylphenol	6800	U
108-60-1	2,2-oxybis(1-Chloropropane)	6800	U
98-86-2	Acetophenone	6800	U
65794-96-9	3+4-Methylphenols	6800	U
621-64-7	N-Nitroso-di-n-propylamine	6800	U
67-72-1	Hexachloroethane	6800	U
98-95-3	Nitrobenzene	6800	U
78-59-1	Isophorone	6800	U
88-75-5	2-Nitrophenol	6800	U
105-67-9	2,4-Dimethylphenol	6800	U
111-91-1	bis(2-Chloroethoxy)methane	6800	U
120-83-2	2,4-Dichlorophenol	6800	U
91-20-3	Naphthalene	6800	U
106-47-8	4-Chloroaniline	6800	U
87-68-3	Hexachlorobutadiene	6800	U
105-60-2	Caprolactam	6800	U
59-50-7	4-Chloro-3-methylphenol	6800	U
91-57-6	2-Methylnaphthalene	6800	U
77-47-4	Hexachlorocyclopentadiene	6800	U
88-06-2	2,4,6-Trichlorophenol	6800	U
95-95-4	2,4,5-Trichlorophenol	6800	U
92-52-4	1,1-Biphenyl	6800	U
91-58-7	2-Chloronaphthalene	6800	U
88-74-4	2-Nitroaniline	6800	U
131-11-3	Dimethylphthalate	6800	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(6-8)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850

Matrix (soil/water): SOIL Lab Sample ID: B2850-03

Sample wt/vol: 30.12 (g/mL) g Lab File ID: BE065334.D

Level: (low/med) LOW Date Received: 06/29/10

% Moisture: 3 Decanted: (Y/N) N Date Extracted: 06/30/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/03/10

Injection Volume: 1 Dilution Factor: 20

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	6800	U
606-20-2	2,6-Dinitrotoluene	6800	U
99-09-2	3-Nitroaniline	6800	U
83-32-9	Acenaphthene	6800	U
51-28-5	2,4-Dinitrophenol	6800	U
100-02-7	4-Nitrophenol	6800	U
132-64-9	Dibenzofuran	6800	U
121-14-2	2,4-Dinitrotoluene	6800	U
84-66-2	Diethylphthalate	6800	U
7005-72-3	4-Chlorophenyl-phenylether	6800	U
86-73-7	Fluorene	6800	U
100-01-6	4-Nitroaniline	6800	U
534-52-1	4,6-Dinitro-2-methylphenol	6800	U
86-30-6	N-Nitrosodiphenylamine	6800	U
101-55-3	4-Bromophenyl-phenylether	6800	U
118-74-1	Hexachlorobenzene	6800	U
1912-24-9	Atrazine	6800	U
87-86-5	Pentachlorophenol	6800	U
85-01-8	Phenanthrene	6800	U
120-12-7	Anthracene	6800	U
86-74-8	Carbazole	6800	U
84-74-2	Di-n-butylphthalate	6800	U
206-44-0	Fluoranthene	6800	U
129-00-0	Pyrene	6800	U
85-68-7	Butylbenzylphthalate	6800	U
91-94-1	3,3-Dichlorobenzidine	6800	U
56-55-3	Benzo(a)anthracene	6800	U
218-01-9	Chrysene	6800	U
117-81-7	bis(2-Ethylhexyl)phthalate	6800	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(6-8)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850Matrix (soil/water): SOIL Lab Sample ID: B2850-03Sample wt/vol: 30.12 (g/mL) g Lab File ID: BE065334.DLevel: (low/med) LOW Date Received: 06/29/10% Moisture: 3 Decanted: (Y/N) N Date Extracted: 06/30/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/03/10Injection Volume: 1 Dilution Factor: 20GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	6800	U
205-99-2	Benzo(b)fluoranthene	6800	U
207-08-9	Benzo(k)fluoranthene	6800	U
50-32-8	Benzo(a)pyrene	6800	U
193-39-5	Indeno(1,2,3-cd)pyrene	6800	U
53-70-3	Dibenz(a,h)anthracene	6800	U
191-24-2	Benzo(g,h,i)perylene	6800	U

Comments: _____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850

Matrix (soil/water): WATER Lab Sample ID: B2850-14

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BF038535.D

Level: (low/med) LOW Date Received: 06/29/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 06/29/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850Matrix (soil/water): WATER Lab Sample ID: B2850-14Sample wt/vol: 1000 (g/mL) ml Lab File ID: BF038535.DLevel: (low/med) LOW Date Received: 06/29/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 06/29/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/L</u>	Q
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850Matrix (soil/water): WATER Lab Sample ID: B2850-14Sample wt/vol: 1000 (g/mL) ml Lab File ID: BF038535.DLevel: (low/med) LOW Date Received: 06/29/10% Moisture: 100 Decanted: (Y/N) N Date Extracted: 06/29/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____



-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELDBLANK

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850

Matrix (soil/water): WATER Lab Sample ID: B2850-14

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BF038535.D

Level: (low/med) LOW Date Received: 06/29/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 06/29/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/02/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Concentration Units: ug/L

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.48	7.8	AB
	unknown3.22	9.95	3.2	J
6311-48-4	Dibenzylidene 4,4-biphenylenediam	13.74	4.7	J



Hit Summary Sheet
SW-846

SDG No.: B2850
Client: P.W. Grosser Consulting

Sample ID	Client ID	Parameter		Concentration	C	RDL	MDL	Units	
Client ID	FIELDBLANK								
B2850-14	FIELDBLANK	WATE	2-Pentanone,	*	7.800	AB	0	0	ug/L
B2850-14	FIELDBLANK	WATE	Dibenzylidene	*	4.700	J	0	0	ug/L
B2850-14	FIELDBLANK	WATE	unknown3.22	*	3.200	J	0	0	ug/L
Total Tics :					15.70				
Total Concentration:					15.70				



-2D-

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Chemtech

Contract: PWGR01

Lab Code: CHEM Case No.: B2850

SAS No.: B2850 SDG No.: B2850

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 () #	S8 () #	TOT OUT
06	SS-4(6-8)	55	57	65	67	50	64			0
07	SS-4(6-8)MS	91	97	101	98	86	89			0
08	SS-4(6-8)MSD	91	97	100	100	94	91			0
01	PB50162BS	86	86	90	84	81	77			0
02	PB50162B	83	87	89	86	80	84			0

QC LIMITS

S1 (2FP) = 2-Fluorophenol	(26-141)
S2 (PHL) = Phenol-d5	(28-142)
S3 (NBZ) = Nitrobenzene-d5	(30-150)
S4 (FBP) = 2-Fluorobiphenyl	(19-182)
S5 (TBP) = 2,4,6-Tribromophenol	(29-150)
S6 (TPH) = Terphenyl-d14	(24-191)
S7 () =	
S8 () =	

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out



-2C-

WATER SEMIVOLATILE SURROGATE RECOVER

Lab Name: Chemtech

Contract: PWGR01

Lab Code: CHEM Case No.: B2850

SAS No.: B2850 SDG No.: B2850

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 () #	S8 () #	TOT OUT
01	PB50106BS	50	34	93	89	87	84			0
02	PB50106B	41	26	88	86	79	84			0
03	FIELD BLANK	32	20	87	94	93	85			0
06	MP-SWIMS	36	23	93	89	87	63			0
07	MP-SWIMSD	40	26	92	90	84	64			0

QC LIMITS

S1 (2FP) = 2-Fluorophenol	(20-110)
S2 (PHL) = Phenol-d5	(10-160)
S3 (NBZ) = Nitrobenzene-d5	(40-110)
S4 (FBP) = 2-Fluorobiphenyl	(50-110)
S5 (TBP) = 2,4,6-Tribromophenol	(40-125)
S6 (TPH) = Terphenyl-d14	(50-135)
S7 () =	
S8 () =	

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B2850 SAS No : B2850 SDG No: B2850

Matrix Spike - EPA Sample No : B2824-19

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Benzaldehyde	50	0	11	22	(10-160)
Phenol	50	0	13	26	(10-161)
bis(2-Chloroethyl)ether	50	0	45	90	(35-110)
2-Chlorophenol	50	0	36	72	(35-105)
2-Methylphenol	50	0	29	58	(40-110)
2,2-oxybis(1-Chloropropane)	50	0	47	94	(30-130)
Acetophenone	50	0	47	94	(42-139)
3+4-Methylphenols	50	0	25	50	(30-110)
n-Nitroso-di-n-propylamine	50	0	46	92	(35-130)
Hexachloroethane	50	0	44	88	(30-100)
Nitrobenzene	50	0	48	96	(45-110)
Isophorone	50	0	48	96	(50-110)
2-Nitrophenol	50	0	42	84	(40-115)
2,4-Dimethylphenol	50	0	37	74	(30-110)
bis(2-Chloroethoxy)methane	50	0	46	92	(45-105)
2,4-Dichlorophenol	50	0	42	84	(50-105)
Naphthalene	50	0	46	92	(40-100)
4-Chloroaniline	50	0	14	28	(15-110)
Hexachlorobutadiene	50	0	45	90	(25-105)
Caprolactam	50	0	5.9	12	(10-160)
4-Chloro-3-methylphenol	50	0	39	78	(45-110)
2-Methylnaphthalene	50	0	47	94	(45-105)
Hexachlorocyclopentadiene	100	0	82	82	(10-145)
2,4,6-Trichlorophenol	50	0	42	84	(50-115)
2,4,5-Trichlorophenol	50	0	42	84	(50-110)
1,1-Biphenyl	50	0	46	92	(35-142)
2-Chloronaphthalene	50	0	46	92	(50-105)
2-Nitroaniline	50	0	48	96	(50-115)
Dimethylphthalate	50	0	47	94	(25-125)
Acenaphthylene	50	0	46	92	(50-105)
2,6-Dinitrotoluene	50	0	47	94	(50-115)
3-Nitroaniline	50	0	23	46	(20-125)
Acenaphthene	50	0	49	98	(45-110)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 2 Out of 234 outside limits

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B2850 SAS No : B2850 SDG No: B2850

Matrix Spike - EPA Sample No : B2824-19

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
2,4-Dinitrophenol	100	0	100	100	(15-140)
4-Nitrophenol	100	0	33	33	(10-161)
Dibenzofuran	50	0	46	92	(55-105)
2,4-Dinitrotoluene	50	0	49	98	(50-120)
Diethylphthalate	50	0	47	94	(40-120)
4-Chlorophenyl-phenylether	50	0	47	94	(50-110)
Fluorene	50	0	47	94	(50-110)
4-Nitroaniline	50	0	41	82	(35-120)
4,6-Dinitro-2-methylphenol	50	0	59	118	(40-130)
n-Nitrosodiphenylamine	50	0	46	92	(50-110)
4-Bromophenyl-phenylether	50	0	48	96	(50-115)
Hexachlorobenzene	50	0	47	94	(50-110)
Atrazine	50	0	34	68	(25-169)
Pentachlorophenol	100	0	110	110	(40-115)
Phenanthrene	50	0	48	96	(50-115)
Anthracene	50	0	47	94	(55-110)
Carbazole	50	0	48	96	(50-115)
Di-n-butylphthalate	50	0	47	94	(55-115)
Fluoranthene	50	0	48	96	(55-115)
Pyrene	50	0	47	94	(50-130)
Butylbenzylphthalate	50	0	48	96	(45-115)
3,3-Dichlorobenzidine	50	0	27	54	(20-110)
Benzo(a)anthracene	50	0	47	94	(55-110)
Chrysene	50	0	48	96	(55-110)
Bis(2-ethylhexyl)phthalate	50	0	47	94	(40-125)
Di-n-octyl phthalate	50	0	47	94	(35-135)
Benzo(b)fluoranthene	50	0	48	96	(45-120)
Benzo(k)fluoranthene	50	0	49	98	(45-125)
Benzo(a)pyrene	50	0	48	96	(55-110)
Indeno(1,2,3-cd)pyrene	50	0	47	94	(45-125)
Dibenzo(a,h)anthracene	50	0	48	96	(40-125)
Benzo(g,h,i)perylene	50	0	48	96	(40-125)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 2 Out of 234 outside limits

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B2850 SAS No : B2850 SDG No: B2850

Matrix Spike - EPA Sample No : B2824-20

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % % (ug/L)		QC LIMITS	
					RPD	REC
Benzaldehyde	50	16	32	37*	20	(10-160)
Phenol	50	13	26	0	20	(10-161)
bis(2-Chloroethyl)ether	50	47	94	4	20	(35-110)
2-Chlorophenol	50	37	74	3	20	(35-105)
2-Methylphenol	50	30	60	3	20	(40-110)
2,2-oxybis(1-Chloropropane)	50	46	92	2	20	(30-130)
Acetophenone	50	47	94	0	20	(42-139)
3+4-Methylphenols	50	27	54	8	20	(30-110)
n-Nitroso-di-n-propylamine	50	47	94	2	20	(35-130)
Hexachloroethane	50	41	82	7	20	(30-100)
Nitrobenzene	50	47	94	2	20	(45-110)
Isophorone	50	47	94	2	20	(50-110)
2-Nitrophenol	50	43	86	2	20	(40-115)
2,4-Dimethylphenol	50	38	76	3	20	(30-110)
bis(2-Chloroethoxy)methane	50	46	92	0	20	(45-105)
2,4-Dichlorophenol	50	41	82	2	20	(50-105)
Naphthalene	50	45	90	2	20	(40-100)
4-Chloroaniline	50	15	30	7	20	(15-110)
Hexachlorobutadiene	50	42	84	7	20	(25-105)
Caprolactam	50	6.2	12	0	20	(10-160)
4-Chloro-3-methylphenol	50	38	76	3	20	(45-110)
2-Methylnaphthalene	50	45	90	4	20	(45-105)
Hexachlorocyclopentadiene	100	82	82	0	20	(10-145)
2,4,6-Trichlorophenol	50	43	86	2	20	(50-115)
2,4,5-Trichlorophenol	50	42	84	0	20	(50-110)
1,1-Biphenyl	50	46	92	0	20	(35-142)
2-Chloronaphthalene	50	46	92	0	20	(50-105)
2-Nitroaniline	50	47	94	2	20	(50-115)
Dimethylphthalate	50	46	92	2	20	(25-125)
Acenaphthylene	50	46	92	0	20	(50-105)
2,6-Dinitrotoluene	50	47	94	0	20	(50-115)
3-Nitroaniline	50	23	46	0	20	(20-125)
Acenaphthene	50	49	98	0	20	(45-110)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 4 Out of 78 outside limits

Spike Recovery : 3 Out of 312 outside limits

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B2850 SAS No : B2850 SDG No: B2850

Matrix Spike - EPA Sample No : B2824-20

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % % (ug/L)		QC LIMITS	
					RPD	REC
2,4-Dinitrophenol	100	100	100	0	20	(15-140)
4-Nitrophenol	100	36	36	9	20	(10-161)
Dibenzofuran	50	46	92	0	20	(55-105)
2,4-Dinitrotoluene	50	48	96	2	20	(50-120)
Diethylphthalate	50	46	92	2	20	(40-120)
4-Chlorophenyl-phenylether	50	46	92	2	20	(50-110)
Fluorene	50	46	92	2	20	(50-110)
4-Nitroaniline	50	42	84	2	20	(35-120)
4,6-Dinitro-2-methylphenol	50	58	116	2	20	(40-130)
n-Nitrosodiphenylamine	50	45	90	2	20	(50-110)
4-Bromophenyl-phenylether	50	47	94	2	20	(50-115)
Hexachlorobenzene	50	47	94	0	20	(50-110)
Atrazine	50	45	90	28*	20	(25-169)
Pentachlorophenol	100	100	100	10	20	(40-115)
Phenanthrene	50	46	92	4	20	(50-115)
Anthracene	50	46	92	2	20	(55-110)
Carbazole	50	46	92	4	20	(50-115)
Di-n-butylphthalate	50	45	90	4	20	(55-115)
Fluoranthene	50	46	92	4	20	(55-115)
Pyrene	50	47	94	0	20	(50-130)
Butylbenzylphthalate	50	47	94	2	20	(45-115)
3,3-Dichlorobenzidine	50	31	62	14	20	(20-110)
Benzo(a)anthracene	50	46	92	2	20	(55-110)
Chrysene	50	46	92	4	20	(55-110)
Bis(2-ethylhexyl)phthalate	50	46	92	2	20	(40-125)
Di-n-octyl phthalate	50	45	90	4	20	(35-135)
Benzo(b)fluoranthene	50	46	92	4	20	(45-120)
Benzo(k)fluoranthene	50	47	94	4	20	(45-125)
Benzo(a)pyrene	50	46	92	4	20	(55-110)
Indeno(1,2,3-cd)pyrene	50	46	92	2	20	(45-125)
Dibenzo(a,h)anthracene	50	47	94	2	20	(40-125)
Benzo(g,h,i)perylene	50	46	92	4	20	(40-125)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 4 Out of 78 outside limits

Spike Recovery : 3 Out of 312 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B2850 **SAS No :** B2850 **SDG No:** B2850
Matrix Spike - EPA Sample No : B2850-04

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Benzaldehyde	1700	0	1100	65	(10-161)
Phenol	1700	0	1700	100	(43-127)
bis(2-Chloroethyl)ether	1700	0	1800	106	(43-134)
2-Chlorophenol	1700	0	1700	100	(41-131)
2-Methylphenol	1700	0	1700	100	(44-129)
2,2-oxybis(1-Chloropropane)	1700	0	1800	106	(36-137)
Acetophenone	1700	0	1700	100	(48-131)
3+4-Methylphenols	1700	0	1600	94	(44-131)
n-Nitroso-di-n-propylamine	1700	0	1700	100	(41-137)
Hexachloroethane	1700	0	1200	71	(25-142)
Nitrobenzene	1700	0	1800	106	(37-136)
Isophorone	1700	0	1700	100	(42-137)
2-Nitrophenol	1700	0	1500	88	(28-135)
2,4-Dimethylphenol	1700	0	1800	106	(35-136)
bis(2-Chloroethoxy)methane	1700	0	1700	100	(38-139)
2,4-Dichlorophenol	1700	0	1600	94	(34-137)
Naphthalene	1700	0	1800	106	(23-160)
4-Chloroaniline	1700	0	0	0*	(10-160)
Hexachlorobutadiene	1700	0	1700	100	(37-132)
Caprolactam	1700	0	0	0*	(24-145)
4-Chloro-3-methylphenol	1700	0	1600	94	(40-131)
2-Methylnaphthalene	1700	0	1700	100	(37-139)
Hexachlorocyclopentadiene	3400	0	0	0*	(10-128)
2,4,6-Trichlorophenol	1700	0	1600	94	(32-131)
2,4,5-Trichlorophenol	1700	0	1600	94	(39-134)
1,1-Biphenyl	1700	0	1700	100	(47-131)
2-Chloronaphthalene	1700	0	1700	100	(43-133)
2-Nitroaniline	1700	0	1500	88	(41-138)
Dimethylphthalate	1700	0	2100	124	(51-132)
Acenaphthylene	1700	0	1900	112	(28-155)
2,6-Dinitrotoluene	1700	0	1700	100	(41-130)
3-Nitroaniline	1700	0	1300	76	(10-155)
Acenaphthene	1700	0	1800	106	(32-146)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 10 Out of 78 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B2850 **SAS No :** B2850 **SDG No:** B2850
Matrix Spike - EPA Sample No : B2850-04

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
2,4-Dinitrophenol	3400	0	6800	200*	(10-177)
4-Nitrophenol	3400	0	2700	79	(10-155)
Dibenzofuran	1700	0	1800	106	(36-147)
2,4-Dinitrotoluene	1700	0	1400	82	(38-131)
Diethylphthalate	1700	0	1700	100	(47-132)
4-Chlorophenyl-phenylether	1700	0	1700	100	(43-133)
Fluorene	1700	0	1800	106	(17-166)
4-Nitroaniline	1700	0	1300	76	(23-137)
4,6-Dinitro-2-methylphenol	1700	0	7200	424*	(10-153)
n-Nitrosodiphenylamine	1700	0	1500	88	(40-143)
4-Bromophenyl-phenylether	1700	0	1700	100	(40-135)
Hexachlorobenzene	1700	0	1700	100	(43-132)
Atrazine	1700	0	1700	100	(38-135)
Pentachlorophenol	3400	0	6000	176*	(10-146)
Phenanthrene	1700	0	1900	112	(30-149)
Anthracene	1700	0	1800	106	(27-158)
Carbazole	1700	0	1700	100	(38-147)
Di-n-butylphthalate	1700	0	1700	100	(45-135)
Fluoranthene	1700	0	2200	129	(26-155)
Pyrene	1700	0	2300	135	(22-173)
Butylbenzylphthalate	1700	0	1800	106	(46-141)
3,3-Dichlorobenzidine	1700	0	1200	71	(10-126)
Benzo(a)anthracene	1700	0	2100	124	(27-159)
Chrysene	1700	0	2100	124	(23-166)
Bis(2-ethylhexyl)phthalate	1700	0	1900	112	(39-159)
Di-n-octyl phthalate	1700	0	1800	106	(36-151)
Benzo(b)fluoranthene	1700	0	2300	135	(21-171)
Benzo(k)fluoranthene	1700	0	2000	118	(26-165)
Benzo(a)pyrene	1700	0	2300	135	(26-157)
Indeno(1,2,3-cd)pyrene	1700	0	2300	135	(10-188)
Dibenzo(a,h)anthracene	1700	0	1800	106	(18-147)
Benzo(g,h,i)perylene	1700	0	2300	135	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 10 Out of 78 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B2850 **SAS No :** B2850 **SDG No:** B2850
Matrix Spike - EPA Sample No : B2850-05

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Benzaldehyde	1700	1100	65	0	20	(10-161)
Phenol	1700	1600	94	6	20	(43-127)
bis(2-Chloroethyl)ether	1700	1600	94	12	20	(43-134)
2-Chlorophenol	1700	1700	100	0	20	(41-131)
2-Methylphenol	1700	1600	94	6	20	(44-129)
2,2-oxybis(1-Chloropropane)	1700	1700	100	6	20	(36-137)
Acetophenone	1700	1800	106	6	20	(48-131)
3+4-Methylphenols	1700	1700	100	6	20	(44-131)
n-Nitroso-di-n-propylamine	1700	1700	100	0	20	(41-137)
Hexachloroethane	1700	1300	76	7	20	(25-142)
Nitrobenzene	1700	1700	100	6	20	(37-136)
Isophorone	1700	1700	100	0	20	(42-137)
2-Nitrophenol	1700	1500	88	0	20	(28-135)
2,4-Dimethylphenol	1700	1600	94	12	20	(35-136)
bis(2-Chloroethoxy)methane	1700	1600	94	6	20	(38-139)
2,4-Dichlorophenol	1700	1700	100	6	20	(34-137)
Naphthalene	1700	1800	106	0	20	(23-160)
4-Chloroaniline	1700	1200	71	200*	20	(10-160)
Hexachlorobutadiene	1700	1800	106	6	20	(37-132)
Caprolactam	1700	1100	65	200*	20	(24-145)
4-Chloro-3-methylphenol	1700	1600	94	0	20	(40-131)
2-Methylnaphthalene	1700	1700	100	0	20	(37-139)
Hexachlorocyclopentadiene	3400	0	0*	0	20	(10-128)
2,4,6-Trichlorophenol	1700	1500	88	7	20	(32-131)
2,4,5-Trichlorophenol	1700	1600	94	0	20	(39-134)
1,1-Biphenyl	1700	1700	100	0	20	(47-131)
2-Chloronaphthalene	1700	1700	100	0	20	(43-133)
2-Nitroaniline	1700	1600	94	7	20	(41-138)
Dimethylphthalate	1700	2100	124	0	20	(51-132)
Acenaphthylene	1700	1900	112	0	20	(28-155)
2,6-Dinitrotoluene	1700	1500	88	13	20	(41-130)
3-Nitroaniline	1700	1400	82	8	20	(10-155)
Acenaphthene	1700	1800	106	0	20	(32-146)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 4 Out of 78 outside limits

Spike Recovery : 17 Out of 156 outside limits

SOLID SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: CHEMTECH **Contract:** PWGR01
Lab Code: CHEM **Cas No:** B2850 **SAS No :** B2850 **SDG No:** B2850
Matrix Spike - EPA Sample No : B2850-05

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
2,4-Dinitrophenol	3400	7000	206*	3	20	(10-177)
4-Nitrophenol	3400	2800	82	4	20	(10-155)
Dibenzofuran	1700	1700	100	6	20	(36-147)
2,4-Dinitrotoluene	1700	1500	88	7	20	(38-131)
Diethylphthalate	1700	1700	100	0	20	(47-132)
4-Chlorophenyl-phenylether	1700	1700	100	0	20	(43-133)
Fluorene	1700	1700	100	6	20	(17-166)
4-Nitroaniline	1700	1500	88	15	20	(23-137)
4,6-Dinitro-2-methylphenol	1700	7200	424*	0	20	(10-153)
n-Nitrosodiphenylamine	1700	1600	94	7	20	(40-143)
4-Bromophenyl-phenylether	1700	1600	94	6	20	(40-135)
Hexachlorobenzene	1700	1600	94	6	20	(43-132)
Atrazine	1700	1500	88	13	20	(38-135)
Pentachlorophenol	3400	6200	182*	3	20	(10-146)
Phenanthrene	1700	2100	124	10	20	(30-149)
Anthracene	1700	1800	106	0	20	(27-158)
Carbazole	1700	1700	100	0	20	(38-147)
Di-n-butylphthalate	1700	1600	94	6	20	(45-135)
Fluoranthene	1700	2600	153	17	20	(26-155)
Pyrene	1700	2600	153	13	20	(22-173)
Butylbenzylphthalate	1700	1800	106	0	20	(46-141)
3,3-Dichlorobenzidine	1700	1500	88	21*	20	(10-126)
Benzo(a)anthracene	1700	2300	135	8	20	(27-159)
Chrysene	1700	2300	135	8	20	(23-166)
Bis(2-ethylhexyl)phthalate	1700	1900	112	0	20	(39-159)
Di-n-octyl phthalate	1700	1700	100	6	20	(36-151)
Benzo(b)fluoranthene	1700	2600	153	13	20	(21-171)
Benzo(k)fluoranthene	1700	1900	112	5	20	(26-165)
Benzo(a)pyrene	1700	2400	141	4	20	(26-157)
Indeno(1,2,3-cd)pyrene	1700	2400	141	4	20	(10-188)
Dibenzo(a,h)anthracene	1700	1800	106	0	20	(18-147)
Benzo(g,h,i)perylene	1700	2400	141	4	20	(10-177)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 4 Out of 78 outside limits

Spike Recovery : 17 Out of 156 outside limits

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B2850 SAS No : B2850 SDG No: B2850

Matrix Spike - EPA Sample No : PB50106BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Benzaldehyde	50		13	26	(10-161)
Phenol	50		17	34	(10-132)
bis(2-Chloroethyl)ether	50		46	92	(38-127)
2-Chlorophenol	50		39	78	(10-148)
2-Methylphenol	50		33	66	(10-152)
2,2-oxybis(1-Chloropropane)	50		49	98	(46-118)
Acetophenone	50		45	90	(57-116)
3+4-Methylphenols	50		31	62	(10-152)
n-Nitroso-di-n-propylamine	50		48	96	(49-120)
Hexachloroethane	50		42	84	(26-152)
Nitrobenzene	50		45	90	(37-127)
Isophorone	50		45	90	(50-122)
2-Nitrophenol	50		42	84	(49-122)
2,4-Dimethylphenol	50		40	80	(10-119)
bis(2-Chloroethoxy)methane	50		44	88	(48-123)
2,4-Dichlorophenol	50		40	80	(10-124)
Naphthalene	50		42	84	(42-115)
4-Chloroaniline	50		25	50	(10-161)
Hexachlorobutadiene	50		39	78	(33-114)
Caprolactam	50		9.3	19	(10-161)
4-Chloro-3-methylphenol	50		40	80	(10-114)
2-Methylnaphthalene	50		43	86	(51-114)
Hexachlorocyclopentadiene	100		79	79	(10-155)
2,4,6-Trichlorophenol	50		43	86	(10-121)
2,4,5-Trichlorophenol	50		42	84	(10-123)
1,1-Biphenyl	50		43	86	(58-115)
2-Chloronaphthalene	50		44	88	(52-117)
2-Nitroaniline	50		47	94	(62-123)
Dimethylphthalate	50		45	90	(3-142)
Acenaphthylene	50		44	88	(52-118)
2,6-Dinitrotoluene	50		45	90	(65-120)
3-Nitroaniline	50		34	68	(10-120)
Acenaphthene	50		44	88	(51-118)
2,4-Dinitrophenol	100		71	71	(10-136)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____



3B

WATER SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01Lab Code: CHEM Cas No: B2850 SAS No : B2850 SDG No: B2850Matrix Spike - EPA Sample No : PB50106BS

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
4-Nitrophenol	100		40	40	(10-161)
Dibenzofuran	50		44	88	(61-115)
2,4-Dinitrotoluene	50		45	90	(68-122)
Diethylphthalate	50		45	90	(51-122)
4-Chlorophenyl-phenylether	50		43	86	(62-119)
Fluorene	50		44	88	(55-121)
4-Nitroaniline	50		42	84	(66-123)
4,6-Dinitro-2-methylphenol	50		45	90	(10-144)
n-Nitrosodiphenylamine	50		45	90	(64-119)
4-Bromophenyl-phenylether	50		44	88	(63-123)
Hexachlorobenzene	50		44	88	(45-136)
Atrazine	50		43	86	(61-132)
Pentachlorophenol	100		85	85	(10-124)
Phenanthrene	50		45	90	(55-126)
Anthracene	50		45	90	(59-122)
Carbazole	50		45	90	(70-124)
Di-n-butylphthalate	50		45	90	(72-121)
Fluoranthene	50		43	86	(61-127)
Pyrene	50		46	92	(62-128)
Butylbenzylphthalate	50		47	94	(66-129)
3,3-Dichlorobenzidine	50		35	70	(10-160)
Benzo(a)anthracene	50		46	92	(52-136)
Chrysene	50		46	92	(55-136)
Bis(2-ethylhexyl)phthalate	50		47	94	(69-130)
Di-n-octyl phthalate	50		48	96	(66-131)
Benzo(b)fluoranthene	50		45	90	(48-149)
Benzo(k)fluoranthene	50		46	92	(54-138)
Benzo(a)pyrene	50		45	90	(55-139)
Indeno(1,2,3-cd)pyrene	50		46	92	(10-145)
Dibenzo(a,h)anthracene	50		46	92	(45-150)
Benzo(g,h,i)perylene	50		46	92	(54-138)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

SOIL SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B2850 SAS No : B2850 SDG No: B2850

Matrix Spike - EPA Sample No : PB50162BS

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Benzaldehyde	1700		450	26	(10-161)
Phenol	1700		1400	82	(51-111)
bis(2-Chloroethyl)ether	1700		1500	88	(48-114)
2-Chlorophenol	1700		1400	82	(53-110)
2-Methylphenol	1700		1400	82	(52-111)
2,2-oxybis(1-Chloropropane)	1700		1500	88	(45-117)
Acetophenone	1700		1400	82	(51-114)
3+4-Methylphenols	1700		1400	82	(54-109)
n-Nitroso-di-n-propylamine	1700		1400	82	(51-114)
Hexachloroethane	1700		1400	82	(44-113)
Nitrobenzene	1700		1500	88	(49-114)
Isophorone	1700		1400	82	(52-113)
2-Nitrophenol	1700		1400	82	(51-116)
2,4-Dimethylphenol	1700		1400	82	(46-148)
bis(2-Chloroethoxy)methane	1700		1400	82	(52-115)
2,4-Dichlorophenol	1700		1400	82	(53-112)
Naphthalene	1700		1400	82	(51-114)
4-Chloroaniline	1700		750	44	(25-115)
Hexachlorobutadiene	1700		1400	82	(47-116)
Caprolactam	1700		1400	82	(34-117)
4-Chloro-3-methylphenol	1700		1400	82	(56-111)
2-Methylnaphthalene	1700		1400	82	(54-111)
Hexachlorocyclopentadiene	3300		2800	85	(43-112)
2,4,6-Trichlorophenol	1700		1400	82	(53-112)
2,4,5-Trichlorophenol	1700		1400	82	(53-113)
1,1-Biphenyl	1700		1400	82	(55-109)
2-Chloronaphthalene	1700		1400	82	(55-112)
2-Nitroaniline	1700		1400	82	(53-118)
Dimethylphthalate	1700		1400	82	(57-112)
Acenaphthylene	1700		1400	82	(54-113)
2,6-Dinitrotoluene	1700		1400	82	(55-114)
3-Nitroaniline	1700		1000	59	(10-157)
Acenaphthene	1700		1400	82	(54-113)
2,4-Dinitrophenol	3300		2300	70	(15-153)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____

SOIL SEMIVOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: PWGR01

Lab Code: CHEM Cas No: B2850 SAS No : B2850 SDG No: B2850

Matrix Spike - EPA Sample No : PB50162BS

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
4-Nitrophenol	3300		2900	88	(44-115)
Dibenzofuran	1700		1400	82	(59-108)
2,4-Dinitrotoluene	1700		1400	82	(55-115)
Diethylphthalate	1700		1400	82	(56-111)
4-Chlorophenyl-phenylether	1700		1400	82	(56-111)
Fluorene	1700		1400	82	(56-113)
4-Nitroaniline	1700		1300	76	(46-113)
4,6-Dinitro-2-methylphenol	1700		1400	82	(39-126)
n-Nitrosodiphenylamine	1700		1400	82	(54-115)
4-Bromophenyl-phenylether	1700		1400	82	(51-120)
Hexachlorobenzene	1700		1300	76	(52-117)
Atrazine	1700		1400	82	(40-127)
Pentachlorophenol	3300		2700	82	(47-116)
Phenanthrene	1700		1400	82	(56-113)
Anthracene	1700		1400	82	(56-113)
Carbazole	1700		1400	82	(54-117)
Di-n-butylphthalate	1700		1400	82	(58-115)
Fluoranthene	1700		1300	76	(54-117)
Pyrene	1700		1400	82	(58-117)
Butylbenzylphthalate	1700		1500	88	(57-122)
3,3-Dichlorobenzidine	1700		840	49	(10-157)
Benzo(a)anthracene	1700		1400	82	(57-112)
Chrysene	1700		1400	82	(59-114)
Bis(2-ethylhexyl)phthalate	1700		1500	88	(60-119)
Di-n-octyl phthalate	1700		1500	88	(56-122)
Benzo(b)fluoranthene	1700		1400	82	(53-120)
Benzo(k)fluoranthene	1700		1400	82	(56-117)
Benzo(a)pyrene	1700		1400	82	(56-117)
Indeno(1,2,3-cd)pyrene	1700		1400	82	(49-120)
Dibenzo(a,h)anthracene	1700		1400	82	(52-119)
Benzo(g,h,i)perylene	1700		1400	82	(53-119)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 0 Out of 78 outside limits

Comments: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB50106B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B2850SAS No.: B2850 SDG NO.: B2850Lab File ID: BE065363.DLab Sample ID: PB50106BInstrument ID: BNAEDate Extracted: 06/29/2010Matrix: (soil/water) WATERDate Analyzed: 07/06/2010Level: (low/med) LOWTime Analyzed: 21:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
FIELDBLANK	B2850-14	BF038535.D	07/02/2010
PB50106BS	PB50106BS	BE065360.D	07/06/2010
MP-SW1MS	B2824-19MS	BF038627.D	07/07/2010
MP-SW1MSD	B2824-20MSD	BF038628.D	07/07/2010

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB50162B

Lab Name: CHEMTECHContract: PWGR01Lab Code: CHEM Case No.: B2850SAS No.: B2850 SDG NO.: B2850Lab File ID: BE065362.DLab Sample ID: PB50162BInstrument ID: BNAEDate Extracted: 06/30/2010Matrix: (soil/water) SOILDate Analyzed: 07/06/2010Level: (low/med) LOWTime Analyzed: 21:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SS-4 (6-8)	B2850-03	BE065334.D	07/03/2010
SS-4 (6-8)MS	B2850-04MS	BE065335.D	07/03/2010
SS-4 (6-8)MSD	B2850-05MSD	BE065336.D	07/03/2010
PB50162BS	PB50162BS	BE065361.D	07/06/2010

COMMENTS: _____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB50106B

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850

Matrix (soil/water): WATER Lab Sample ID: PB50106B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BE065363.D

Level: (low/med) LOW Date Received:

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 06/29/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB50106B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850Matrix (soil/water): WATER Lab Sample ID: PB50106BSample wt/vol: 1000 (g/mL) ml Lab File ID: BE065363.DLevel: (low/med) LOW Date Received: _____% Moisture: 100 Decanted: (Y/N) N Date Extracted: 06/29/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/L</u>	Q
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments: _____



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB50106B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850Matrix (soil/water): WATER Lab Sample ID: PB50106BSample wt/vol: 1000 (g/mL) ml Lab File ID: BE065363.DLevel: (low/med) LOW Date Received: _____% Moisture: 100 Decanted: (Y/N) N Date Extracted: 06/29/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments: _____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB50162B

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850

Matrix (soil/water): SOIL Lab Sample ID: PB50162B

Sample wt/vol: 30.02 (g/mL) g Lab File ID: BE065362.D

Level: (low/med) LOW Date Received:

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 06/30/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
65794-96-9	3+4-Methylphenols	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
92-52-4	1,1-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	330	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB50162B

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850

Matrix (soil/water): SOIL Lab Sample ID: PB50162B

Sample wt/vol: 30.02 (g/mL) g Lab File ID: BE065362.D

Level: (low/med) LOW Date Received:

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 06/30/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	330	U
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U

Comments:



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB50162B

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG No.: B2850Matrix (soil/water): SOIL Lab Sample ID: PB50162BSample wt/vol: 30.02 (g/mL) g Lab File ID: BE065362.DLevel: (low/med) LOW Date Received: _____% Moisture: 0 Decanted: (Y/N) N Date Extracted: 06/30/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/06/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

Comments: _____



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG NO.: B2850

EPA Sample No.: SSTD040 Date Analyzed: 07/03/2010

Lab File ID: BE065328.D Time Analyzed: 16:34

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	83829	7.46	317073	9.69	193717	12.96
UPPER LIMIT	167658	7.96	634146	10.19	387434	13.46
LOWER LIMIT	41914.5	6.96	158536.5	9.19	96858.5	12.46
EPA SAMPLE NO.						
01 SS-4 (6-8)	85540	7.46	330790	9.69	199818	12.95
02 SS-4 (6-8)MS	84265	7.46	320945	9.69	193786	12.95
03 SS-4 (6-8)MSD	84222	7.46	318430	9.69	195377	12.96

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG NO.: B2850

EPA Sample No.: SSTD040 Date Analyzed: 07/03/2010

Lab File ID: BE065328.D Time Analyzed: 16:34

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD UPPER LIMIT LOWER LIMIT	351912	15.67	401239	19.01	371543	21.94
		703824	16.17	802478	19.51	743086	22.44
		175956	15.17	200619.5	18.51	185771.5	21.44
	EPA SAMPLE NO.						
01	SS-4 (6-8)	357632	15.67	383724	19.00	396395	21.94
02	SS-4 (6-8)MS	357776	15.67	377358	19.00	365647	21.94
03	SS-4 (6-8)MSD	360893	15.67	380302	19.00	369242	21.94

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.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG NO.: B2850

EPA Sample No.: SSTD040 Date Analyzed: 07/06/2010

Lab File ID: BF038609.D Time Analyzed: 19:42

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	127681	5.02	484009	6.17	242852	7.9
UPPER LIMIT	255362	5.52	968018	6.67	485704	8.4
LOWER LIMIT	63840.5	4.52	242004.5	5.67	121426	7.4
EPA SAMPLE NO.						
01 MP-SW1MS	103054	5.02	398964	6.17	209147	7.90
02 MP-SW1MSD	107463	5.02	420123	6.17	213739	7.90

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG NO.: B2850

EPA Sample No.: SSTD040 Date Analyzed: 07/06/2010

Lab File ID: BF038609.D Time Analyzed: 19:42

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	410151	9.57	344746	12.77	285954	14.82
UPPER LIMIT	820302	10.07	689492	13.27	571908	15.32
LOWER LIMIT	205075.5	9.07	172373	12.27	142977	14.32
EPA SAMPLE NO.						
01 MP-SW1MS	349324	9.57	305718	12.77	256596	14.82
02 MP-SW1MSD	357713	9.57	301849	12.77	257848	14.82

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.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG NO.: B2850

EPA Sample No.: SSTD060 Date Analyzed: 07/06/2010

Lab File ID: BE065359.D Time Analyzed: 19:07

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	77043	7.4	296178	9.62	178527	12.89
UPPER LIMIT	154086	7.9	592356	10.12	357054	13.39
LOWER LIMIT	38521.5	6.9	148089	9.12	89263.5	12.39
EPA SAMPLE NO.						
01 PB50106BS	82143	7.40	324151	9.62	189415	12.89
02 PB50162BS	86233	7.40	324895	9.62	191992	12.89
03 PB50162B	87228	7.40	329491	9.62	197189	12.88
04 PB50106B	82565	7.40	317982	9.62	188640	12.88

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG NO.: B2850

EPA Sample No.: SSTD060 Date Analyzed: 07/06/2010

Lab File ID: BE065359.D Time Analyzed: 19:07

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	325374	15.61	352798	18.94	330691	21.81
UPPER LIMIT	650748	16.11	705596	19.44	661382	22.31
LOWER LIMIT	162687	15.11	176399	18.44	165345.5	21.31
EPA SAMPLE NO.						
01 PB50106BS	331570	15.61	341866	18.93	316505	21.81
02 PB50162BS	333879	15.61	349268	18.94	327127	21.81
03 PB50162B	349331	15.61	354192	18.93	327293	21.81
04 PB50106B	335910	15.61	341916	18.93	309605	21.81

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG NO.: B2850

EPA Sample No.: SSTD060 Date Analyzed: 07/02/2010

Lab File ID: BF038534.D Time Analyzed: 17:33

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	67515	4.06	263677	5.27	135483	6.85
UPPER LIMIT	135030	4.56	527354	5.77	270966	7.35
LOWER LIMIT	33757.5	3.56	131838.5	4.77	67741.5	6.35
EPA SAMPLE NO.						
01 FIELDBLANK	63048	4.05	252900	5.27	126710	6.85

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.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B2850 SAS No.: B2850 SDG NO.: B2850

EPA Sample No.: SSTD060 Date Analyzed: 07/02/2010

Lab File ID: BF038534.D Time Analyzed: 17:33

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	216727	8.4	211149	11.49	194734	13.07
UPPER LIMIT	433454	8.9	422298	11.99	389468	13.57
LOWER LIMIT	108363.5	7.9	105574.5	10.99	97367	12.57
EPA SAMPLE NO.						
01 FIELDBLANK	208266	8.39	205008	11.49	184538	13.07

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.

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-2(6-8)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
Matrix (soil/water): SOIL Lab Sample ID: B2850-01
Level (low/med): LOW Date Received: 6/29/2010
% Solids: 94.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4840			P
7440-36-0	Antimony	1.740	U		P
7440-38-2	Arsenic	0.97			P
7440-39-3	Barium	620			P
7440-41-7	Beryllium	0.15	J		P
7440-43-9	Cadmium	0.29			P
7440-70-2	Calcium	845			P
7440-47-3	Chromium	8.620			P
7440-48-4	Cobalt	1.750			P
7440-50-8	Copper	44.3			P
7439-89-6	Iron	5580			P
7439-92-1	Lead	51.6			P
7439-95-4	Magnesium	438			P
7439-96-5	Manganese	77.1			P
7439-97-6	Mercury	0.029		*	CV
7440-02-0	Nickel	2.790			P
7440-09-7	Potassium	149			P
7782-49-2	Selenium	1.170			P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	46.5	J		P
7440-28-0	Thallium	1.400	U		P
7440-62-2	Vanadium	8.430			P
7440-66-6	Zinc	264			P

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-3(6-8)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
 Matrix (soil/water): SOIL Lab Sample ID: B2850-02
 Level (low/med): LOW Date Received: 6/29/2010
 % Solids: 93.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7130			P
7440-36-0	Antimony	0.79	J		P
7440-38-2	Arsenic	2.040			P
7440-39-3	Barium	1510			P
7440-41-7	Beryllium	0.22	J		P
7440-43-9	Cadmium	0.54			P
7440-70-2	Calcium	435			P
7440-47-3	Chromium	17.2			P
7440-48-4	Cobalt	2.130			P
7440-50-8	Copper	87.1			P
7439-89-6	Iron	8710			P
7439-92-1	Lead	148			P
7439-95-4	Magnesium	632			P
7439-96-5	Manganese	68.1			P
7439-97-6	Mercury	0.026		*	CV
7440-02-0	Nickel	4.230			P
7440-09-7	Potassium	232			P
7782-49-2	Selenium	1.800			P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	74.2	J		P
7440-28-0	Thallium	1.790	U		P
7440-62-2	Vanadium	13.0			P
7440-66-6	Zinc	588			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-4(6-8)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
Matrix (soil/water): SOIL Lab Sample ID: B2850-03
Level (low/med): LOW Date Received: 6/29/2010
% Solids: 97.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4310			P
7440-36-0	Antimony	2.570	U		P
7440-38-2	Arsenic	1.610			P
7440-39-3	Barium	505			P
7440-41-7	Beryllium	0.22	J		P
7440-43-9	Cadmium	0.66			P
7440-70-2	Calcium	5380			P
7440-47-3	Chromium	29.6			P
7440-48-4	Cobalt	3.040			P
7440-50-8	Copper	27.5			P
7439-89-6	Iron	8740			P
7439-92-1	Lead	196			P
7439-95-4	Magnesium	2320			P
7439-96-5	Manganese	141			P
7439-97-6	Mercury	0.136		*	CV
7440-02-0	Nickel	8.760			P
7440-09-7	Potassium	407			P
7782-49-2	Selenium	1.520			P
7440-22-4	Silver	0.51	U		P
7440-23-5	Sodium	95.6	J		P
7440-28-0	Thallium	2.060	U		P
7440-62-2	Vanadium	15.8			P
7440-66-6	Zinc	235			P

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-5(6-8)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
 Matrix (soil/water): SOIL Lab Sample ID: B2850-06
 Level (low/med): LOW Date Received: 6/29/2010
 % Solids: 92.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9550			P
7440-36-0	Antimony	0.83	J		P
7440-38-2	Arsenic	2.430			P
7440-39-3	Barium	1850			P
7440-41-7	Beryllium	0.29			P
7440-43-9	Cadmium	0.57			P
7440-70-2	Calcium	312			P
7440-47-3	Chromium	45.7			P
7440-48-4	Cobalt	2.960			P
7440-50-8	Copper	91.3			P
7439-89-6	Iron	9700			P
7439-92-1	Lead	192			P
7439-95-4	Magnesium	619			P
7439-96-5	Manganese	58.4			P
7439-97-6	Mercury	0.023		*	CV
7440-02-0	Nickel	14.0			P
7440-09-7	Potassium	242			P
7782-49-2	Selenium	1.950			P
7440-22-4	Silver	0.44	U		P
7440-23-5	Sodium	66.6	J		P
7440-28-0	Thallium	1.780	U		P
7440-62-2	Vanadium	15.7			P
7440-66-6	Zinc	743			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-7(6-8)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
 Matrix (soil/water): SOIL Lab Sample ID: B2850-07
 Level (low/med): LOW Date Received: 6/29/2010
 % Solids: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	0.57	J		P
7440-38-2	Arsenic	1.750			P
7440-39-3	Barium	397			P
7440-41-7	Beryllium	0.22	J		P
7440-43-9	Cadmium	0.64			P
7440-70-2	Calcium	290			P
7440-47-3	Chromium	12.7			P
7440-48-4	Cobalt	1.610			P
7440-50-8	Copper	12.0			P
7439-89-6	Iron	10700			P
7439-92-1	Lead	43.5			P
7439-95-4	Magnesium	724			P
7439-96-5	Manganese	41.2			P
7439-97-6	Mercury	0.018		*	CV
7440-02-0	Nickel	4.230			P
7440-09-7	Potassium	280			P
7782-49-2	Selenium	2.320			P
7440-22-4	Silver	0.44	U		P
7440-23-5	Sodium	58.3	J		P
7440-28-0	Thallium	1.750	U		P
7440-62-2	Vanadium	17.6			P
7440-66-6	Zinc	555			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-8(6-8)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
Matrix (soil/water): SOIL Lab Sample ID: B2850-08
Level (low/med): LOW Date Received: 6/29/2010
% Solids: 92.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3420			P
7440-36-0	Antimony	1.810	J		P
7440-38-2	Arsenic	1.960			P
7440-39-3	Barium	4310			P
7440-41-7	Beryllium	0.17	J		P
7440-43-9	Cadmium	0.49			P
7440-70-2	Calcium	795			P
7440-47-3	Chromium	219			P
7440-48-4	Cobalt	2.040			P
7440-50-8	Copper	242			P
7439-89-6	Iron	8210			P
7439-92-1	Lead	1210			P
7439-95-4	Magnesium	616			P
7439-96-5	Manganese	66.4			P
7439-97-6	Mercury	0.033		*	CV
7440-02-0	Nickel	3.780			P
7440-09-7	Potassium	205			P
7782-49-2	Selenium	1.780			P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	93.9	J		P
7440-28-0	Thallium	2.010	U		P
7440-62-2	Vanadium	16.9			P
7440-66-6	Zinc	714			P

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10(6-8)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
 Matrix (soil/water): SOIL Lab Sample ID: B2850-09
 Level (low/med): LOW Date Received: 6/29/2010
 % Solids: 95.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2210			P
7440-36-0	Antimony	2.600	U		P
7440-38-2	Arsenic	0.48	J		P
7440-39-3	Barium	253			P
7440-41-7	Beryllium	0.06	J		P
7440-43-9	Cadmium	0.17	J		P
7440-70-2	Calcium	118			P
7440-47-3	Chromium	4.930			P
7440-48-4	Cobalt	0.76	J		P
7440-50-8	Copper	30.2			P
7439-89-6	Iron	3910			P
7439-92-1	Lead	36.3			P
7439-95-4	Magnesium	186			P
7439-96-5	Manganese	24.6			P
7439-97-6	Mercury	0.010	J	*	CV
7440-02-0	Nickel	1.480	J		P
7440-09-7	Potassium	75.7	J		P
7782-49-2	Selenium	0.58	J		P
7440-22-4	Silver	0.52	U		P
7440-23-5	Sodium	29.8	J		P
7440-28-0	Thallium	2.080	U		P
7440-62-2	Vanadium	6.180			P
7440-66-6	Zinc	217			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11(6-8)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
Matrix (soil/water): SOIL Lab Sample ID: B2850-10
Level (low/med): LOW Date Received: 6/29/2010
% Solids: 80.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7330			P
7440-36-0	Antimony	2.110	J		P
7440-38-2	Arsenic	7.130			P
7440-39-3	Barium	4360			P
7440-41-7	Beryllium	0.27	J		P
7440-43-9	Cadmium	0.79			P
7440-70-2	Calcium	570			P
7440-47-3	Chromium	134			P
7440-48-4	Cobalt	1.530			P
7440-50-8	Copper	298			P
7439-89-6	Iron	8990			P
7439-92-1	Lead	814			P
7439-95-4	Magnesium	422			P
7439-96-5	Manganese	56.8			P
7439-97-6	Mercury	0.090		*	CV
7440-02-0	Nickel	5.880			P
7440-09-7	Potassium	235			P
7782-49-2	Selenium	2.040			P
7440-22-4	Silver	0.47	U		P
7440-23-5	Sodium	62.4	J		P
7440-28-0	Thallium	1.860	U		P
7440-62-2	Vanadium	32.2			P
7440-66-6	Zinc	700			P

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12(6-8)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
 Matrix (soil/water): SOIL Lab Sample ID: B2850-11
 Level (low/med): LOW Date Received: 6/29/2010
 % Solids: 90.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9640			P
7440-36-0	Antimony	2.070	U		P
7440-38-2	Arsenic	2.180			P
7440-39-3	Barium	324			P
7440-41-7	Beryllium	0.21	J		P
7440-43-9	Cadmium	0.64			P
7440-70-2	Calcium	1.150	J		P
7440-47-3	Chromium	13.3			P
7440-48-4	Cobalt	1.410			P
7440-50-8	Copper	21.2			P
7439-89-6	Iron	12100			P
7439-92-1	Lead	43.8			P
7439-95-4	Magnesium	560			P
7439-96-5	Manganese	34.9			P
7439-97-6	Mercury	0.027		*	CV
7440-02-0	Nickel	3.840			P
7440-09-7	Potassium	176			P
7782-49-2	Selenium	2.180			P
7440-22-4	Silver	0.41	U		P
7440-23-5	Sodium	48.4	J		P
7440-28-0	Thallium	1.660	U		P
7440-62-2	Vanadium	19.3			P
7440-66-6	Zinc	81.9			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-09

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
 Matrix (soil/water): SOIL Lab Sample ID: B2850-12
 Level (low/med): LOW Date Received: 6/29/2010
 % Solids: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2740			P
7440-36-0	Antimony	1.360	J		P
7440-38-2	Arsenic	1.860			P
7440-39-3	Barium	2740			P
7440-41-7	Beryllium	0.12	J		P
7440-43-9	Cadmium	0.45			P
7440-70-2	Calcium	627			P
7440-47-3	Chromium	142			P
7440-48-4	Cobalt	1.900			P
7440-50-8	Copper	201			P
7439-89-6	Iron	7530			P
7439-92-1	Lead	783			P
7439-95-4	Magnesium	546			P
7439-96-5	Manganese	49.4			P
7439-97-6	Mercury	0.054		*	CV
7440-02-0	Nickel	3.470			P
7440-09-7	Potassium	158			P
7782-49-2	Selenium	1.620			P
7440-22-4	Silver	0.36	U		P
7440-23-5	Sodium	69.4	J		P
7440-28-0	Thallium	1.450	U		P
7440-62-2	Vanadium	11.6			P
7440-66-6	Zinc	548			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850
Matrix (soil/water): WATER Lab Sample ID: B2850-14
Level (low/med): LOW Date Received: 6/29/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	50.0	U		P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	50.0	U		P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	3.000	U		P
7440-70-2	Calcium	1000	U		P
7440-47-3	Chromium	5.000	U		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	10.0	U		P
7439-89-6	Iron	50.0	U		P
7439-92-1	Lead	6.000	U		P
7439-95-4	Magnesium	1000	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	1000	U		P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: Colorless Clarity Before: Clear Texture: _____
Color After: Colorless Clarity After: Clear Artifacts: _____

Comments: _____

Hit Summary Sheet
SW-846

SDG No.: B2850

Client: P.W. Grosser Consulting

Order ID: B2850

Project ID: Ronkonkona Wallpaper- Suffolk C

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	DUP-09							
B2850-12	DUP-09	SOIL	Aluminum	2740		3.620	0.61	mg/Kg
B2850-12	DUP-09	SOIL	Antimony	1.360	J	1.810	0.41	mg/Kg
B2850-12	DUP-09	SOIL	Arsenic	1.860		0.72	0.24	mg/Kg
B2850-12	DUP-09	SOIL	Barium	2740		3.620	0.29	mg/Kg
B2850-12	DUP-09	SOIL	Beryllium	0.12	J	0.22	0.04	mg/Kg
B2850-12	DUP-09	SOIL	Cadmium	0.45		0.22	0.04	mg/Kg
B2850-12	DUP-09	SOIL	Calcium	627		72.5	0.78	mg/Kg
B2850-12	DUP-09	SOIL	Chromium	142		0.36	0.09	mg/Kg
B2850-12	DUP-09	SOIL	Cobalt	1.900		1.090	0.41	mg/Kg
B2850-12	DUP-09	SOIL	Copper	201		0.72	0.23	mg/Kg
B2850-12	DUP-09	SOIL	Iron	7530		3.620	0.96	mg/Kg
B2850-12	DUP-09	SOIL	Lead	783		0.43	0.28	mg/Kg
B2850-12	DUP-09	SOIL	Magnesium	546		72.5	3.320	mg/Kg
B2850-12	DUP-09	SOIL	Manganese	49.4		0.72	0.14	mg/Kg
B2850-12	DUP-09	SOIL	Mercury	0.054		0.011	0.002	mg/Kg
B2850-12	DUP-09	SOIL	Nickel	3.470		1.450	0.33	mg/Kg
B2850-12	DUP-09	SOIL	Potassium	158		72.5	2.540	mg/Kg
B2850-12	DUP-09	SOIL	Selenium	1.620		0.72	0.30	mg/Kg
B2850-12	DUP-09	SOIL	Sodium	69.4	J	72.5	1.830	mg/Kg
B2850-12	DUP-09	SOIL	Vanadium	11.6		1.450	0.43	mg/Kg
B2850-12	DUP-09	SOIL	Zinc	548		1.450	0.51	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: B2850		Order ID: B2850						
Client: P.W. Grosser Consulting		Project ID: Ronkonkona Wallpaper- Suffolk C						
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-10(6-8)							
B2850-09	SS-10(6-8)	SOIL	Aluminum	2210		5.210	0.87	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Arsenic	0.48	J	1.040	0.34	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Barium	253		5.210	0.42	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Beryllium	0.06	J	0.31	0.06	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Cadmium	0.17	J	0.31	0.06	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Calcium	118		104	1.110	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Chromium	4.930		0.52	0.14	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Cobalt	0.76	J	1.560	0.59	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Copper	30.2		1.040	0.33	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Iron	3910		5.210	1.380	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Lead	36.3		0.62	0.41	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Magnesium	186		104	4.770	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Manganese	24.6		1.040	0.20	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Mercury	0.010	J	0.011	0.002	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Nickel	1.480	J	2.080	0.48	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Potassium	75.7	J	104	3.640	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Selenium	0.58	J	1.040	0.43	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Sodium	29.8	J	104	2.620	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Vanadium	6.180		2.080	0.61	mg/Kg
B2850-09	SS-10(6-8)	SOIL	Zinc	217		2.080	0.73	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B2850			Order ID:	B2850			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-11(6-8)							
B2850-10	SS-11(6-8)	SOIL	Aluminum	7330		4.660	0.78	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Antimony	2.110	J	2.330	0.52	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Arsenic	7.130		0.93	0.31	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Barium	4360		4.660	0.37	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Beryllium	0.27	J	0.28	0.06	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Cadmium	0.79		0.28	0.06	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Calcium	570		93.2	1.000	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Chromium	134		0.47	0.12	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Cobalt	1.530		1.400	0.53	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Copper	298		0.93	0.30	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Iron	8990		4.660	1.240	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Lead	814		0.56	0.36	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Magnesium	422		93.2	4.270	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Manganese	56.8		0.93	0.18	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Mercury	0.090		0.012	0.002	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Nickel	5.880		1.860	0.43	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Potassium	235		93.2	3.260	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Selenium	2.040		0.93	0.38	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Sodium	62.4	J	93.2	2.350	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Vanadium	32.2		1.860	0.55	mg/Kg
B2850-10	SS-11(6-8)	SOIL	Zinc	700		1.860	0.65	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B2850			Order ID:	B2850			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-12(6-8)							
B2850-11	SS-12(6-8)	SOIL	Aluminum	9640		4.150	0.70	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Arsenic	2.180		0.83	0.27	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Barium	324		4.150	0.33	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Beryllium	0.21	J	0.25	0.05	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Cadmium	0.64		0.25	0.05	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Calcium	1.150	J	83.0	0.89	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Chromium	13.3		0.41	0.11	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Cobalt	1.410		1.240	0.47	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Copper	21.2		0.83	0.27	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Iron	12100		4.150	1.100	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Lead	43.8		0.50	0.32	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Magnesium	560		83.0	3.800	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Manganese	34.9		0.83	0.16	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Mercury	0.027		0.011	0.002	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Nickel	3.840		1.660	0.38	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Potassium	176		83.0	2.900	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Selenium	2.180		0.83	0.34	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Sodium	48.4	J	83.0	2.090	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Vanadium	19.3		1.660	0.49	mg/Kg
B2850-11	SS-12(6-8)	SOIL	Zinc	81.9		1.660	0.58	mg/Kg
Client ID:	SS-2(6-8)							
B2850-01	SS-2(6-8)	SOIL	Aluminum	4840		3.490	0.59	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Arsenic	0.97		0.70	0.23	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Barium	620		3.490	0.28	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Beryllium	0.15	J	0.21	0.04	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Cadmium	0.29		0.21	0.04	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Calcium	845		69.8	0.75	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Chromium	8.620		0.35	0.09	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Cobalt	1.750		1.050	0.40	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Copper	44.3		0.70	0.22	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Iron	5580		3.490	0.93	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Lead	51.6		0.42	0.27	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Magnesium	438		69.8	3.200	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Manganese	77.1		0.70	0.13	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Mercury	0.029		0.011	0.002	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Nickel	2.790		1.400	0.32	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Potassium	149		69.8	2.440	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Selenium	1.170		0.70	0.29	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Sodium	46.5	J	69.8	1.760	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Vanadium	8.430		1.400	0.41	mg/Kg
B2850-01	SS-2(6-8)	SOIL	Zinc	264		1.400	0.49	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B2850			Order ID:	B2850			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-3(6-8)							
B2850-02	SS-3(6-8)	SOIL	Aluminum	7130		4.480	0.75	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Antimony	0.79	J	2.240	0.50	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Arsenic	2.040		0.90	0.30	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Barium	1510		4.480	0.36	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Beryllium	0.22	J	0.27	0.05	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Cadmium	0.54		0.27	0.05	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Calcium	435		89.6	0.96	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Chromium	17.2		0.45	0.12	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Cobalt	2.130		1.340	0.51	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Copper	87.1		0.90	0.29	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Iron	8710		4.480	1.190	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Lead	148		0.54	0.35	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Magnesium	632		89.6	4.100	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Manganese	68.1		0.90	0.17	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Mercury	0.026		0.011	0.002	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Nickel	4.230		1.790	0.41	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Potassium	232		89.6	3.140	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Selenium	1.800		0.90	0.37	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Sodium	74.2	J	89.6	2.260	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Vanadium	13.0		1.790	0.53	mg/Kg
B2850-02	SS-3(6-8)	SOIL	Zinc	588		1.790	0.63	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B2850			Order ID:	B2850			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-4(6-8)							
B2850-03	SS-4(6-8)	SOIL	Aluminum	4310		5.150	0.87	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Arsenic	1.610		1.030	0.34	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Barium	505		5.150	0.41	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Beryllium	0.22	J	0.31	0.06	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Cadmium	0.66		0.31	0.06	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Calcium	5380		103	1.100	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Chromium	29.6		0.51	0.13	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Cobalt	3.040		1.540	0.59	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Copper	27.5		1.030	0.33	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Iron	8740		5.150	1.370	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Lead	196		0.62	0.40	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Magnesium	2320		103	4.720	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Manganese	141		1.030	0.20	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Mercury	0.136		0.010	0.002	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Nickel	8.760		2.060	0.47	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Potassium	407		103	3.600	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Selenium	1.520		1.030	0.42	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Sodium	95.6	J	103	2.600	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Vanadium	15.8		2.060	0.61	mg/Kg
B2850-03	SS-4(6-8)	SOIL	Zinc	235		2.060	0.72	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: B2850

Order ID: B2850

Client: P.W. Grosser Consulting

Project ID: Ronkonkona Wallpaper- Suffolk C

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-5(6-8)							
B2850-06	SS-5(6-8)	SOIL	Aluminum	9550	J	4.450	0.75	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Antimony	0.83		2.220	0.50	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Arsenic	2.430		0.89	0.29	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Barium	1850		4.450	0.36	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Beryllium	0.29		0.27	0.05	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Cadmium	0.57		0.27	0.05	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Calcium	312		89.0	0.95	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Chromium	45.7		0.44	0.12	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Cobalt	2.960		1.330	0.51	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Copper	91.3		0.89	0.28	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Iron	9700		4.450	1.180	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Lead	192		0.53	0.35	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Magnesium	619		89.0	4.080	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Manganese	58.4		0.89	0.17	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Mercury	0.023		0.011	0.002	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Nickel	14.0	J	1.780	0.41	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Potassium	242		89.0	3.110	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Selenium	1.950		0.89	0.36	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Sodium	66.6		89.0	2.240	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Vanadium	15.7		1.780	0.53	mg/Kg
B2850-06	SS-5(6-8)	SOIL	Zinc	743		1.780	0.62	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: B2850		Order ID: B2850						
Client: P.W. Grosser Consulting		Project ID: Ronkonkona Wallpaper- Suffolk C						
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-7(6-8)							
B2850-07	SS-7(6-8)	SOIL	Aluminum	10200	J	4.370	0.73	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Antimony	0.57		2.180	0.49	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Arsenic	1.750		0.87	0.29	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Barium	397		4.370	0.35	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Beryllium	0.22	J	0.26	0.05	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Cadmium	0.64		0.26	0.05	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Calcium	290		87.4	0.94	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Chromium	12.7		0.44	0.11	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Cobalt	1.610	J	1.310	0.50	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Copper	12.0		0.87	0.28	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Iron	10700		4.370	1.160	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Lead	43.5		0.52	0.34	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Magnesium	724	J	87.4	4.000	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Manganese	41.2		0.87	0.17	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Mercury	0.018		0.011	0.002	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Nickel	4.230		1.750	0.40	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Potassium	280	J	87.4	3.060	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Selenium	2.320		0.87	0.36	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Sodium	58.3		87.4	2.200	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Vanadium	17.6		1.750	0.52	mg/Kg
B2850-07	SS-7(6-8)	SOIL	Zinc	555		1.750	0.61	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	B2850			Order ID:	B2850			
Client:	P.W. Grosser Consulting			Project ID:	Ronkonkona Wallpaper- Suffolk C			
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-8(6-8)							
B2850-08	SS-8(6-8)	SOIL	Aluminum	3420	J	5.040	0.85	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Antimony	1.810		2.520	0.56	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Arsenic	1.960		1.010	0.33	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Barium	4310		5.040	0.40	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Beryllium	0.17	J	0.30	0.06	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Cadmium	0.49		0.30	0.06	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Calcium	795		101	1.080	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Chromium	219		0.50	0.13	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Cobalt	2.040		1.510	0.57	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Copper	242		1.010	0.32	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Iron	8210		5.040	1.340	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Lead	1210		0.60	0.39	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Magnesium	616		101	4.610	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Manganese	66.4		1.010	0.19	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Mercury	0.033		0.011	0.002	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Nickel	3.780		2.010	0.46	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Potassium	205		101	3.520	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Selenium	1.780		1.010	0.41	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Sodium	93.9	J	101	2.540	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Vanadium	16.9		2.010	0.59	mg/Kg
B2850-08	SS-8(6-8)	SOIL	Zinc	714		2.010	0.70	mg/Kg

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850Preparation Blank Matrix (soil/water): SOLIDPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	50.0	U	50.0	U	50.0	U	50.0	U	5.000	U	P
Antimony	25.0	U	25.0	U	25.0	U	25.0	U	2.500	U	P
Arsenic	10.0	U	10.0	U	10.0	U	10.0	U	1.000	U	P
Barium	50.0	U	50.0	U	50.0	U	50.0	U	5.000	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	0.300	U	P
Cadmium	3.0	U	3.0	U	3.0	U	3.0	U	0.300	U	P
Calcium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	100.000	U	P
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	0.500	U	P
Cobalt	15.0	U	15.0	U	15.0	U	15.0	U	1.500	U	P
Copper	10.0	U	10.0	U	10.0	U	10.0	U	1.000	U	P
Iron	50.0	U	50.0	U	50.0	U	50.0	U	5.000	U	P
Lead	6.0	U	2.9	J	6.0	U	6.0	U	0.600	U	P
Magnesium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	100.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	1.000	U	P
Mercury	0.200	U	0.200	U	0.097	J	0.125	J	0.010	U	CV
Nickel	20.0	U	20.0	U	20.0	U	20.0	U	2.000	U	P
Potassium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	100.000	U	P
Selenium	10.0	U	10.0	U	10.0	U	10.0	U	1.000	U	P
Silver	5.0	U	5.0	U	5.0	U	5.0	U	0.500	U	P
Sodium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	100.000	U	P
Thallium	20.0	U	20.0	U	20.0	U	20.0	U	2.000	U	P
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	2.000	U	P
Zinc	20.0	U	20.0	U	20.0	U	20.0	U	2.000	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U	50.000	U	P
Antimony			25.0	U	25.0	U	25.0	U	25.000	U	P
Arsenic			10.0	U	10.0	U	10.0	U	10.000	U	P
Barium			50.0	U	50.0	U	50.0	U	50.000	U	P
Beryllium			3.0	U	3.0	U	3.0	U	3.000	U	P
Cadmium			3.0	U	3.0	U	3.0	U	3.000	U	P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	5.0	U	5.000	U	P
Cobalt			15.0	U	15.0	U	15.0	U	15.000	U	P
Copper			10.0	U	10.0	U	10.0	U	10.000	U	P
Iron			50.0	U	50.0	U	50.0	U	50.000	U	P
Lead			6.0	U	6.0	U	6.0	U	6.000	U	P
Magnesium			1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Manganese			10.0	U	10.0	U	10.0	U	10.000	U	P
Mercury			0.163	J	0.149	J	0.119	J			CV
Nickel			20.0	U	20.0	U	20.0	U	20.000	U	P
Potassium			1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Selenium			10.0	U	10.0	U	10.0	U	10.000	U	P
Silver			5.0	U	5.0	U	5.0	U	5.000	U	P
Sodium			1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Thallium			4.2	J	3.5	J	2.6	J	20.000	U	P
Vanadium			20.0	U	20.0	U	20.0	U	20.000	U	P
Zinc			20.0	U	20.0	U	20.0	U	20.000	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U			P
Antimony			25.0	U	25.0	U	25.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			50.0	U	50.0	U	50.0	U			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			3.0	U	3.0	U	3.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	5.0	U			P
Cobalt			15.0	U	15.0	U	15.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron			50.0	U	50.0	U	50.0	U			P
Lead			6.0	U	6.0	U	6.0	U			P
Magnesium			1000.0	U	1000.0	U	1000.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Mercury			0.199	J	0.154	J	0.172	J			CV
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			1000.0	U	1000.0	U	1000.0	U			P
Selenium			10.0	U	10.0	U	10.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			1000.0	U	1000.0	U	1000.0	U			P
Thallium			3.4	J	4.0	J	4.0	J			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U			P
Antimony			25.0	U	25.0	U	25.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			50.0	U	50.0	U	50.0	U			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			3.0	U	3.0	U	3.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	5.0	U			P
Cobalt			15.0	U	15.0	U	15.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron			50.0	U	50.0	U	50.0	U			P
Lead			3.9	J	6.0	U	6.0	U			P
Magnesium			1000.0	U	1000.0	U	1000.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			1000.0	U	1000.0	U	1000.0	U			P
Selenium			10.0	U	10.0	U	10.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			1000.0	U	1000.0	U	1000.0	U			P
Thallium			2.9	J	20.0	U	20.0	U			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	50.0	U			P
Antimony			25.0	U	25.0	U	25.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			50.0	U	50.0	U	50.0	U			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			3.0	U	3.0	U	3.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	5.0	U			P
Cobalt			15.0	U	15.0	U	15.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron			50.0	U	50.0	U	50.0	U			P
Lead			6.0	U	6.0	U	6.0	U			P
Magnesium			1000.0	U	1000.0	U	1000.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			1000.0	U	1000.0	U	1000.0	U			P
Selenium			10.0	U	10.0	U	10.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			1000.0	U	1000.0	U	1000.0	U			P
Thallium			20.0	U	20.0	U	3.4	J			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U	7.5	J			P
Antimony			25.0	U	25.0	U	25.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			50.0	U	50.0	U	50.0	U			P
Beryllium			3.0	U	3.0	U	3.0	U			P
Cadmium			3.0	U	3.0	U	3.0	U			P
Calcium			1000.0	U	1000.0	U	1000.0	U			P
Chromium			5.0	U	5.0	U	5.0	U			P
Cobalt			15.0	U	15.0	U	15.0	U			P
Copper			10.0	U	10.0	U	10.0	U			P
Iron			50.0	U	50.0	U	50.0	U			P
Lead			4.1	J	6.0	U	6.0	U			P
Magnesium			1000.0	U	1000.0	U	1000.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			20.0	U	20.0	U	20.0	U			P
Potassium			1000.0	U	1000.0	U	1000.0	U			P
Selenium			10.0	U	10.0	U	10.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			1000.0	U	1000.0	U	104.2	J			P
Thallium			20.0	U	20.0	U	20.0	U			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum			50.0	U	50.0	U					P
Antimony			25.0	U	25.0	U					P
Arsenic			10.0	U	10.0	U					P
Barium			50.0	U	50.0	U					P
Beryllium			3.0	U	3.0	U					P
Cadmium			3.0	U	3.0	U					P
Calcium			1000.0	U	1000.0	U					P
Chromium			5.0	U	5.0	U					P
Cobalt			15.0	U	15.0	U					P
Copper			10.0	U	10.0	U					P
Iron			50.0	U	50.0	U					P
Lead			2.6	J	6.0	U					P
Magnesium			1000.0	U	1000.0	U					P
Manganese			10.0	U	10.0	U					P
Nickel			20.0	U	20.0	U					P
Potassium			87.1	J	51.8	J					P
Selenium			10.0	U	10.0	U					P
Silver			5.0	U	5.0	U					P
Sodium			299.9	J	111.0	J					P
Thallium			20.0	U	20.0	U					P
Vanadium			20.0	U	20.0	U					P
Zinc			20.0	U	20.0	U					P

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Calcium	1000.0	U	1000.0	U	1000.0	U			184.210	J	P
Mercury			0.20	U	0.20	U	0.20	U	0.200	U	CV

USEPA - CLP

3-IN

BLANKS

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser ConsultingLab Code: CTECH Case No.: B2850 NRAS No.: B2850 SDG NO.: B2850Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Mercury			0.20	U							CV

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-4(6-8)S

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B2850

NRAS No.: B2850 SDG NO.: B2850

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 97.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		4644.3880		4309.2700		205.97	162.7		P
Antimony	47 - 131	76.1916		2.5747	U	82.39	92.5		P
Arsenic	73 - 114	79.1133		1.6148		82.39	94.1		P
Barium		528.0124		504.8507		20.60	112.4		P
Beryllium	79 - 112	19.1905		0.2194	J	20.60	92.1		P
Cadmium	73 - 114	20.3038		0.6612		20.60	95.4		P
Calcium		5507.3130		5381.8750		102.99	121.8		P
Chromium	68 - 122	66.7353		29.5953		41.19	90.2		P
Cobalt	68 - 119	22.9145		3.0433		20.60	96.5		P
Copper	59 - 132	56.4583		27.5500		30.90	93.6		P
Iron		8972.4000		8738.8270		308.96	75.6		P
Lead	66 - 125	291.7508		196.3234		102.99	92.7		P
Magnesium		2494.1300		2320.3920		205.97	84.4		P
Manganese		159.6190		141.4521		20.60	88.2		P
Mercury	34 - 153	0.3018		0.1359		0.21	79.0		CV
Nickel	64 - 129	58.0453		8.7631		51.49	95.7		P
Potassium	37 - 158	1369.4130		407.0031		1029.87	93.4		P
Selenium	69 - 105	180.9784		1.5242		205.97	87.1		P
Silver	54 - 131	6.4192		0.5149	U	7.72	83.2		P
Sodium	10 - 139	394.0886		95.5767	J	308.96	96.6		P
Thallium	74 - 116	188.4655		2.0597	U	205.97	91.5		P
Vanadium	67 - 127	45.1349		15.8043		30.90	94.9		P
Zinc		252.4305		235.4171		20.60	82.6		P

Comments:

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-4(6-8)SD

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH Case No.: B2850

NRAS No.: B2850 SDG NO.: B2850

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 97.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		4725.6440		4309.2700		205.97	202.2		P
Antimony	47 - 131	76.2853		2.5747	U	82.39	92.6		P
Arsenic	73 - 114	79.0525		1.6148		82.39	94.0		P
Barium		531.3594		504.8507		20.60	128.7		P
Beryllium	79 - 112	19.6190		0.2194	J	20.60	94.2		P
Cadmium	73 - 114	20.1895		0.6612		20.60	94.8		P
Calcium		5635.5310		5381.8750		102.99	246.3		P
Chromium	68 - 122	68.9073		29.5953		41.19	95.4		P
Cobalt	68 - 119	22.6952		3.0433		20.60	95.4		P
Copper	59 - 132	56.9876		27.5500		30.90	95.3		P
Iron		9114.2130		8738.8270		308.96	121.5		P
Lead	66 - 125	290.1133		196.3234		102.99	91.1		P
Magnesium		2553.9650		2320.3920		205.97	113.4		P
Manganese		161.9877		141.4521		20.60	99.7		P
Mercury	34 - 153	0.3048		0.1359		0.21	80.4		CV
Nickel	64 - 129	57.5119		8.7631		51.49	94.7		P
Potassium	37 - 158	1387.7450		407.0031		1029.87	95.2		P
Selenium	69 - 105	181.8950		1.5242		205.97	87.6		P
Silver	54 - 131	6.5664		0.5149	U	7.72	85.1		P
Sodium	10 - 139	396.2101		95.5767	J	308.96	97.3		P
Thallium	74 - 116	188.2904		2.0597	U	205.97	91.4		P
Vanadium	67 - 127	46.2935		15.8043		30.90	98.7		P
Zinc		250.4944		235.4171		20.60	73.2		P

Comments:

5B-IN
POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: _____ **Contract:** _____

Lab Code: _____ **Case No.:** _____ **NRAS No.:** _____ **SDG NO.:** _____

Matrix (soil/water): _____ **Level (low/med):** _____

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)		Sample Result (SR)		Spike Added (SA)	%R	Q	M
			C		C				

Comments:

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

SS-4(6-8)D

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECHCase No.: B2850NRAS No.: B2850SDG
NO.:B2850Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 97.1% Solids for Duplicate: 97.1

Concentration Units:(ug/L or mg/kg dry weight):

MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		4309.2700	4402.8840	2.1		P
Antimony		2.5747 U	2.5747 U			P
Arsenic	1.0299	1.6148	1.6406	1.6		P
Barium		504.8507	510.5150	1.1		P
Beryllium		0.2194 J	0.2163 J	1.4		P
Cadmium	0.3090	0.6612	0.6004	9.6		P
Calcium		5381.8750	5512.6680	2.4		P
Chromium		29.5953	30.3563	2.5		P
Cobalt	1.5448	3.0433	3.1751	4.2		P
Copper		27.5500	28.2719	2.6		P
Iron		8738.8270	8904.4290	1.9		P
Lead		196.3234	197.8888	0.8		P
Magnesium		2320.3920	2374.1510	2.3		P
Manganese		141.4521	143.8620	1.7		P
Mercury		0.1359	0.1025	28.0	*	CV
Nickel	2.0597	8.7631	8.8589	1.1		P
Potassium	102.9866	407.0031	414.1092	1.7		P
Selenium	1.0299	1.5242	1.5376	0.9		P
Silver		0.5149 U	0.5149 U			P
Sodium		95.5767 J	95.4954 J	0.1		P
Thallium		2.0597 U	2.0597 U			P
Vanadium		15.8043	16.2328	2.7		P
Zinc		235.4171	234.6447	0.3		P

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

SS-4(6-8)SD

Lab Name: Chemtech Consulting GroupContract: P.W. Grosser ConsultingLab Code: CTECHCase No.: B2850NRAS No.: B2850SDG
NO.:B2850Matrix (soil/water): SOILLevel (low/med): LOW% Solids for Sample: 97.1% Solids for Duplicate: 97.1Concentration Units:(ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		4644.3880	4725.6440	1.7		P
Antimony		76.1916	76.2853	0.1		P
Arsenic		79.1133	79.0525	0.1		P
Barium		528.0124	531.3594	0.6		P
Beryllium		19.1905	19.6190	2.2		P
Cadmium		20.3038	20.1895	0.6		P
Calcium		5507.3130	5635.5310	2.3		P
Chromium		66.7353	68.9073	3.2		P
Cobalt		22.9145	22.6952	1.0		P
Copper		56.4583	56.9876	0.9		P
Iron		8972.4000	9114.2130	1.6		P
Lead		291.7508	290.1133	0.6		P
Magnesium		2494.1300	2553.9650	2.4		P
Manganese		159.6190	161.9877	1.5		P
Mercury		0.3018	0.3048	1.0		CV
Nickel		58.0453	57.5119	0.9		P
Potassium		1369.4130	1387.7450	1.3		P
Selenium		180.9784	181.8950	0.5		P
Silver		6.4192	6.5664	2.3		P
Sodium		394.0886	396.2101	0.5		P
Thallium		188.4655	188.2904	0.1		P
Vanadium		45.1349	46.2935	2.5		P
Zinc		252.4305	250.4944	0.8		P

Metals

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B2850 NRAS No: B2850 SDG NO.: B2850
 Solid LCS Source: PLASMA-PURE
 Aqueous LCS Source: PLASMA-PURE

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Aluminum	2000.0	1712.50	85.6	200.0	184.9		76.0	118.0	92.4
Antimony	800.0	737.58	92.2	80.0	76.9		81.0	112.0	96.1
Arsenic	800.0	747.05	93.4	80.0	77.5		82.0	112.0	96.9
Barium	200.0	187.66	93.8	20.0	20.4		83.0	118.0	102.0
Beryllium	200.0	182.50	91.2	20.0	19.4		84.0	113.0	97.0
Cadmium	200.0	193.36	96.7	20.0	20.3		82.0	117.0	101.5
Calcium	1000.0	1154.80	115.5	100.0	96.6	J	78.0	138.0	96.6
Chromium	400.0	362.78	90.7	40.0	39.9		84.0	115.0	99.8
Cobalt	200.0	191.55	95.8	20.0	19.9		84.0	114.0	99.5
Copper	300.0	273.15	91.0	30.0	29.5		80.0	115.0	98.3
Iron	3000.0	2776.00	92.5	300.0	303.1		78.0	109.0	101.0
Lead	1000.0	916.19	91.6	100.0	96.1		82.0	117.0	96.1
Magnesium	2000.0	1786.70	89.3	200.0	194.1		80.0	121.0	97.0
Manganese	200.0	184.77	92.4	20.0	20.0		84.0	114.0	100.0
Mercury				0.200	0.209		73.0	121.0	104.5
Nickel	500.0	485.32	97.1	50.0	49.9		85.0	118.0	99.8
Potassium	10000.0	9172.70	91.7	1000.0	974.7		67.0	116.0	97.5
Selenium	2000.0	1772.80	88.6	200.0	189.5		74.0	110.0	94.8
Silver	75.0	65.08	86.8	7.5	7.2		81.0	123.0	96.0
Sodium	3000.0	2759.70	92.0	300.0	291.9		70.0	135.0	97.3
Thallium	2000.0	1759.90	88.0	200.0	185.6		86.0	119.0	92.8
Vanadium	300.0	271.85	90.6	30.0	29.6		84.0	113.0	98.7
Zinc	200.0	193.64	96.8	20.0	20.2		88.0	127.0	101.0

Metals

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B2850 NRAS No: B2850 SDG NO.: B2850
Solid LCS Source: PLASMA-PURE
Aqueous LCS Source: PLASMA-PURE

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Mercury	4.000	4.070	101.8						

Metals

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

SS-4(6-8)L

Lab Name: Chemtech Consulting Group

Contract: P.W. Grosser Consulting

Lab Code: CTECH

Case No.: B2850

NRAS No.: B2850

SDG NO.: B2850

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
Aluminum	41843.00	C	46054.00	C	10.1		P
Antimony	25.00	U	125.00	U			P
Arsenic	15.68		28.45	J	81.4		P
Barium	4902.10		5193.50		5.9		P
Beryllium	2.13	J	15.00	U	100.0		P
Cadmium	6.42		4.60	J	28.3		P
Calcium	52258.00		58610.00		12.2		P
Chromium	287.37		312.10		8.6		P
Cobalt	29.55		34.25	J	15.9		P
Copper	267.51		291.10		8.8		P
Iron	84854.00		93210.00		9.8		P
Lead	1906.30		1999.85		4.9		P
Magnesium	22531.00		26112.00		15.9		P
Manganese	1373.50		1488.05		8.3		P
Mercury	2.64		3.57		35.2		CV
Nickel	85.09		90.00	J	5.8		P
Potassium	3952.00		4110.15	J	4.0		P
Selenium	14.80		50.00	U	100.0		P
Silver	5.00	U	25.00	U			P
Sodium	928.05	J	986.95	J	6.3		P
Thallium	20.00	U	100.00	U			P
Vanadium	153.46		169.10		10.2		P
Zinc	2285.90		2503.05		9.5		P

APPENDIX E

SOIL BORING LOGS

P.W. GROSSER

CONSULTING, INC. Easton Street



Raynor Avenue

Approximate borehole locations at site

Boring # SB-1	MW#	Page 1	of 7
PROJECT: Former Ronkonkoma Wallpaper Site			
JOB # SHD1002			
LOGGED BY:	DE	PRJ. MNGR.:	ZY
DRILLING CONTRACTOR: Land Air Water			
DRILL METHOD: Geoprobe			
DRILLER: Ernesto & Utuk			
Borehole diameter/drill bit type:		total depth	20'
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 08:36		DATE: 3-9-2010	
COMPLETION TIME: 09:06		DATE: 3-9-2010	
BACKFILL TIME: 09:10		DATE: 3-9-2010	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-4'	4	2.5	0-2': 1' Dry, well graded dark brown sand with silt and gravel. (SW-SM) 0.25' Dry, well graded black sand with silt. (SW-SM)	PID = 0.0 ppm	
			2-4': 1.25' Moist, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm	
4-8'	4	2.5	4-6': 0.5' Moist, well graded reddish-brown sand with silt and gravel. (SW-SM) 1' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm	
			6-8': 1.5' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM) Quartz	PID = 0.0 ppm	
8-12'	4	3.5	8-10': 0.5' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM) Quartz 1' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM) 0.25' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm	
			10-12': 1.75' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm	
12-16'	4	3	12-14': 1.5' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm	
			14-16': 1.5' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm	
16-20'	4	3	16-18': 1.5' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm	
			18-20': 1.5' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm	
				Soil sample collected from 18-20' @ 09:06.	

P.W. GROSSER

CONSULTING, INC. Easton Street



Raynor Avenue

SB-2
→ ●

Approximate borehole locations at site

Boring # SB-2	MW#	Page 2	of 7
PROJECT: Former Ronkonkoma Wallpaper Site			
JOB # SHD1002			
LOGGED BY:	DE	PRJ. MNGR.:	ZY
DRILLING CONTRACTOR: Land Air Water			
DRILL METHOD: Geoprobe			
DRILLER: Ernesto & Utuk			
Borehole diameter/drill bit type:		total depth	20'
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 09:15		DATE: 3-9-2010	
COMPLETION TIME: 09:35		DATE: 3-9-2010	
BACKFILL TIME: 09:40		DATE: 3-9-2010	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-4'	4	2	0-2': 1' Moist, poorly graded dark brown sand with silt and gravel. (SP-SM)	PID = 0.3 ppm	
			2-4': 1' Moist, poorly graded dark brown sand with silt and gravel. (SP-SM)	PID = 0.3 ppm	
4-8'	4	3.5	4-6': 0.5' Moist, well graded reddish-brown sand with silt and gravel. (SW-SM) 1.25' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM) Quartz	PID = 0.1 ppm	
			6-8': 0.75' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM) Quartz 1' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.1 ppm	
8-12'	4	3	8-10': 1.5' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM) Quartz	PID = 0.3 ppm	
			10-12': 1.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.3 ppm	
12-16'	4	3	12-14': 1.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.1 ppm	
			14-16': 1.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.0 ppm	
16-20'	4	3	16-18': 1.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.0 ppm	
			18-20': 1.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.0 ppm	
				Soil sample collected from 18-20' @ 09:35.	

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CONSULTING, INC. Easton Street



Raynor Avenue

SB-3



Approximate borehole locations at site

Boring # SB-3	MW#	Page 3	of 7
PROJECT: Former Ronkonkoma Wallpaper Site			
JOB # SHD1002			
LOGGED BY:	DE	PRJ. MNGR.:	ZY
DRILLING CONTRACTOR: Land Air Water			
DRILL METHOD: Geoprobe			
DRILLER: Ernesto & Utuk			
Borehole diameter/drill bit type:		total depth	20'
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 09:43		DATE: 3-9-2010	
COMPLETION TIME: 10:02		DATE: 3-9-2010	
BACKFILL TIME: 10:05		DATE: 3-9-2010	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-4'	4	3.5	0-2': 1' Moist, poorly graded dark brown sand with silt and gravel. (SP-SM) 0.75' Dry, well graded brown sand with silt and gravel (SW-SM)	PID = 0.0 ppm	
			2-4': 0.75' Dry, well graded brown sand with silt and gravel (SW-SM) 1' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.0 ppm	
4-8'	4	3	4-6': 1.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.0 ppm	
			6-8': 1' Dry, well graded reddish-brown sand with gravel. (SW) 0.5' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm	
8-12'	4	3.5	8-10': 1.75' Dry, well graded light brown sand with gravel. (SW)	PID = 0.3 ppm	
			10-12': 1.75' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm	
12-16'	4	3	12-14': 1.5' Dry, well graded light brown sand with gravel. (SW)	PID = 0.2 ppm	
			14-16': 1.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.0 ppm	
16-20'	4	3	16-18': 1.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.1 ppm	
			18-20': 1.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.3 ppm	
			Soil sample collected from 18-20' @ 10:02.		

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CONSULTING, INC. Easton Street



SB-4

Approximate borehole locations at site

Boring # SB-4	MW#	Page 4	of 7
PROJECT: Former Ronkonkoma Wallpaper Site			
JOB # SHD1002			
LOGGED BY:	DE	PRJ. MNGR.:	ZY
DRILLING CONTRACTOR: Land Air Water			
DRILL METHOD: Geoprobe			
DRILLER: Ernesto & Utuk			
Borehole diameter/drill bit type:		total depth	20'
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 10:11		DATE: 3-9-2010	
COMPLETION TIME: 10:30		DATE: 3-9-2010	
BACKFILL TIME: 10:35		DATE: 3-9-2010	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth:	NA
					Screen depth:	NA
0-4'	4	3.5	0-2': 1.75' Dry, poorly graded dark brown sand with silt and gravel. (SP-SM)	PID = 0.0 ppm		
			2-4': 1.75' Dry, poorly graded dark brown sand with silt and gravel. (SP-SM)	PID = 0.2 ppm		
4-8'	4	2.5	4-6': 1.25' Dry, poorly graded dark brown sand with silt and gravel. (SP-SM)	PID = 0.0 ppm		
			6-8': 0.75' Dry, poorly graded dark brown sand with silt and gravel. (SP-SM) 0.5' Dry, well graded dark brown sand with silt and gravel. (SW-SM)	PID = 0.3 ppm		
8-12'	4	2.5	8-10': 1.25' Dry, well graded light brown sand with gravel. (SW)	PID = 0.6 ppm		
			10-12': 0.25' Dry, well graded light brown sand with gravel. (SW) 1.25' Dry, well graded gray sand with silt and gravel. (SW-SM)	PID = 1.4 ppm		
12-16'	4	3	12-14': 1.5' Dry, well graded gray sand with silt and gravel. (SW-SM)	PID = 2.2 ppm		
			14-16': 0.25' Dry, well graded gray sand with silt and gravel. (SW-SM) 1.25' Moist, well graded gray sand with silt and gravel. (SW-SM)	PID = 1.9 ppm		
16-20'	4	2.5	16-18': 1.25' Moist, well graded gray sand with silt and gravel. (SW-SM)	PID = 1.8 ppm		
			18-20': 1.25' Moist, well graded gray sand with silt and gravel. (SW-SM)	PID = 2.9 ppm		
				Soil sample collected from 18-20' @ 10:30.		

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CONSULTING, INC. Easton Street



Raynor Avenue



SB-5

Approximate borehole locations at site

Boring # SB-5	MW#	Page 5	of 7
PROJECT: Former Ronkonkoma Wallpaper Site			
JOB # SHD1002			
LOGGED BY:	DE	PRJ. MNGR.:	ZY
DRILLING CONTRACTOR: Land Air Water			
DRILL METHOD: Geoprobe			
DRILLER: Ernesto & Utuk			
Borehole diameter/drill bit type:		total depth	20'
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 12:05		DATE: 3-9-2010	
COMPLETION TIME: 12:42		DATE: 3-9-2010	
BACKFILL TIME: 12:45		DATE: 3-9-2010	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth:	NA
					Screen depth:	NA
0-4'	4	4	0-2': 1' Dry, well graded dark brown sand with silt. (SW-SM) 1' Dry, well graded reddish-brown sand with silt. (SW-SM)	PID = 0.0 ppm		
			2-4': 2' Dry, well graded reddish-brown sand with silt. (SW-SM)	PID = 0.0 ppm		
4-8'	4	2	4-6': 1' Dry, well graded reddish-brown sand with silt. (SW-SM)	PID = 0.0 ppm		
			6-8': 0.5' Moist, poorly graded brown sand with silt and gravel (SP-SM) 0.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.0 ppm		
8-12'	4	3.5	8-10': 1.75' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.0 ppm		
			10-12': 1.75' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.0 ppm		
12-16'	4	3	12-14': 1.5' Dry, well graded reddish-brown sand with gravel. (SW)	PID = 0.0 ppm		
			14-16': 1.5' Dry, well graded gray-brown sand with gravel. (SW)	PID = 0.0 ppm		
16-20'	4	3.5	16-18': 1.75' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm		
			18-20': 1.75' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm		
				Soil samples collected from 14-16' & 18-20' @ 12:42.		

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CONSULTING, INC. Easton Street



Raynor Avenue

SB-6

Approximate borehole locations at site

Boring #	SB-6	MW#		Page	6	of	7
PROJECT: Former Ronkonkoma Wallpaper Site							
JOB # SHD1002							
LOGGED BY:		DE		PRJ. MNGR.:		ZY	
DRILLING CONTRACTOR: Land Air Water							
DRILL METHOD: Geoprobe							
DRILLER: Ernesto & Utuk							
Borehole diameter/drill bit type: Macrocore (2" diameter)				total depth		20'	
				elevation		NA	
HAMMER WT: NA				DROP: NA			
START TIME: 12:47				DATE: 3-9-2010			
COMPLETION TIME: 13:15				DATE: 3-9-2010			
BACKFILL TIME: 13:20				DATE: 3-9-2010			

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth:	NA
					Screen depth:	NA
0-4'	4	4	0-2': 2' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm		
			2-4': 2' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm		
4-8'	4	3	4-6': 1' Dry, well graded reddish-brown sand with silt. (SW-SM) 0.5' Wet, silty reddish-brown sand. (SM)	PID = 0.0 ppm		
			6-8': 1' Wet, silty reddish-brown sand. (SM) 0.5' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm		
8-12'	4	3	8-10': 1.5' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm		
			10-12': 1' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM) 0.5' Dry, well graded light brown sand with silt and gravel. (SW-SM)	PID = 0.2 ppm		
12-16'	4	3	12-14': 1.5' Dry, well graded light brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm		
			14-16': 0.5' Dry, well graded pinkish-gray sand with silt and gravel. (SW-SM) 1' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm		
16-20'	4	3.5	16-18': 1.75' Dry, well graded light brown sand with gravel. (SW)	PID = 0.6 ppm		
			18-20': 1.75' Dry, well graded light brown sand with gravel. (SW)	PID = 0.0 ppm		
				Soil samples collected from 14-16' & 18-20' @ 13:15.		

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CONSULTING, INC. Easton Street



SB-7

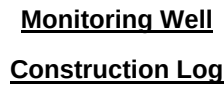
Approximate borehole locations at site

Boring # SB-7	MW#	Page 7	of 7
PROJECT: Former Ronkonkoma Wallpaper Site			
JOB # SHD1002			
LOGGED BY:	DE	PRJ. MNGR.:	ZY
DRILLING CONTRACTOR: Land Air Water			
DRILL METHOD: Geoprobe			
DRILLER: Ernesto & Utuk			
Borehole diameter/drill bit type:		total depth	20'
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 13:20		DATE: 3-9-2010	
COMPLETION TIME: 13:40		DATE: 3-9-2010	
BACKFILL TIME: 13:45		DATE: 3-9-2010	

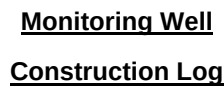
Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-4'	4	2	0-2': 1' Moist, poorly graded dark brown sand with silt. (SP-SM)	PID = 0.3 ppm	
			2-4': 1' Moist, well graded brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm	
4-8'	4	3	4-6': 0.5' Moist, well graded brown sand with silt and gravel. (SW-SM) 0.5' Moist, silty gray-brown sand. (SM) 0.5' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm	
			6-8': 1.5' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.3 ppm	
8-12'	4	3.5	8-10': 1.75' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.1 ppm	
			10-12': 1.75' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm	
12-16'	4	3	12-14': 1.5' Dry, well graded reddish-brown sand with silt and gravel. (SW-SM)	PID = 0.0 ppm	
			14-16': 1.5' Dry, well graded light brown sand with gravel. (SW)	PID = 0.7 ppm	
16-20'	4	3.5	16-18': 1.75' Dry, well graded light brown sand with gravel. (SW)	PID = 0.5 ppm	
			18-20': 1.75' Dry, well graded light brown sand with gravel. (SW)	PID = 0.3 ppm	
				Soil samples collected from 14-16' & 18-20' @ 13:40.	

APPENDIX F

MONITORING WELL CONSTRUCTION LOGS



Note: Drawing is not to scale.
Depths are given in feet below land surface.



Note: Drawing is not to scale.
 Depths are given in feet below land surface.

APPENDIX G

MONITORING WELL DEVELOPMENT LOGS

Monitoring Well Development Log

SITE ID/PROJECT NUMBER: Former Ronkonkoma Wallpaper Site / (SHD1002)

DEVELOPED BY _____ DNE

WELL DIAMETER (inches)	2

TOTAL WELL DEPTH (feet)	79

PURGE TIME (Min)	24

GALLONS	35

Time	Gallons	pH	Cond. ($\mu\text{S}/\text{cm}$)	Turbidity (NTU)	Temp. ($^{\circ}\text{C}$)

[illegible]

P.W. GROSSER CONSULTING, INC.

Monitoring Well Development Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	Former Ronkonkoma Wallpaper Site / (SHD1002)		
DEVELOPMENT POINT	MW-4	DEVELOPED BY	DNE
DATE DEVELOPED	3/16/2010	WELL DIAMETER (inches)	2
STATIC WATER ELEVATION (feet)	59.64	TOTAL WELL DEPTH (feet)	64.92

DEVELOPMENT INFORMATION

PURGE METHOD	Submersible Pump	PURGE TIME (Min)	37
PURGE RATE (GPM)	see below	GALLONS	35

DEVELOPMENT PARAMETERS

Time	Gallons	pH	Cond. (μ S/cm)	Turbidity (NTU)	Temp. (°C)
11:39	1	5.82	166	98.2	14.0
11:40	2	5.75	157	39.7	14.4
11:41	3	5.74	155	19.2	14.6
11:43	4	5.75	154	7.2	14.7
11:45	5	5.75	153	99.9	14.9
11:51	6	5.81	150	358	15.2
11:53	7	5.78	151	96.4	15.3
11:55	8	5.78	151	38.2	15.3
11:56	9	5.77	150	405	15.3
11:58	10	5.77	151	52.6	15.3
12:01	11	5.80	145	628	15.6
12:05	15	5.77	143	653	16
12:09	20	5.76	136	>1,000	15.4
12:12	25	5.71	149	285	15.2
12:14	30	5.72	147	5.83	15.5
12:16	35	5.72	147	1.06	15.5

Monitoring Well Development Log

SITE ID/PROJECT NUMBER: Former Ronkonkoma Wallpaper Site / (SHD1002)

DEVELOPED BY _____ DNE

WELL DIAMETER (inches)	2

TOTAL WELL DEPTH (feet)	64.5

PURGE TIME (Min)	20

GALLONS	35

Time	Gallons	pH	Cond. ($\mu\text{S}/\text{cm}$)	Turbidity (NTU)	Temp. ($^{\circ}\text{C}$)

[illegible]

APPENDIX H

MONITORING WELL SAMPLING LOGS

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	Former Ronkonkoma Wallpaper Site / (SHD1002)		
SAMPLING POINT	MW-1	SAMPLED BY	DNE
DATE SAMPLED	4/1/2010	TIME SAMPLED	11:37
STATIC WATER ELEVATION (feet)	57.49	TOTAL WELL DEPTH (feet)	79.9
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	clear	ODORS OBSERVED	none
ANALYSIS	VOCs, SVOCs, TAL Metals	LABORATORY	Chemtech
DATE SHIPPED	4/1/2010	SHIPPING METHOD	UPS

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (°C)
11:01	350	5.51	0.401	109	376	15.10
11:04	350	5.47	0.410	114	354	15.25
11:07	350	5.52	0.409	93.9	336	15.92
11:10	350	5.58	0.412	87.9	328	16.90
11:13	350	5.62	0.413	81.9	321	17.26
11:16	350	5.65	0.415	71.9	321	17.66
11:19	350	5.67	0.415	65.6	326	17.70
11:22	350	5.68	0.415	56.7	330	17.75
11:25	350	5.70	0.414	50.7	335	17.76
11:28	350	5.70	0.414	44.8	338	17.90
11:31	350	5.71	0.412	42.7	342	17.81
11:34	350	5.71	0.414	39.7	345	17.70

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	Former Ronkonkoma Wallpaper Site / (SHD1002)		
SAMPLING POINT	MW-4	SAMPLED BY	DNE
DATE SAMPLED	4/1/2010	TIME SAMPLED	10:09
STATIC WATER ELEVATION (feet)	58.75	TOTAL WELL DEPTH (feet)	64.92
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	clear	ODORS OBSERVED	none
ANALYSIS	VOCs, SVOCs, TAL Metals	LABORATORY	Chemtech
DATE SHIPPED	4/1/2010	SHIPPING METHOD	UPS

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (°C)
9:48	350	5.49	0.259	50.3	367	14.37
9:51	350	5.44	0.216	27.6	359	15.98
9:54	350	5.48	0.206	15.8	356	16.73
9:57	350	5.50	0.205	11.1	359	16.97
10:00	350	5.51	0.204	8.3	362	17.09
10:03	350	5.54	0.204	6.7	367	17.18
10:06	350	5.55	0.205	5.3	370	17.14

P.W. GROSSER CONSULTING, INC.

Monitoring Well Sampling Log

SITE INFORMATION

SITE ID/PROJECT NUMBER:	Former Ronkonkoma Wallpaper Site / (SHD1002)		
SAMPLING POINT	MW-5	SAMPLED BY	DNE
DATE SAMPLED	4/1/2010	TIME SAMPLED	14:02
STATIC WATER ELEVATION (feet)	60.31	TOTAL WELL DEPTH (feet)	64.82
WELL DIAMETER (inches)	2		

SAMPLING INFORMATION

PURGE METHOD	grundfos pump	SAMPLE METHOD	grundfos pump
PURGE RATE (GPM)	see below	PURGE TIME (Min)	see below
SAMPLE APPEARANCE	clear	ODORS OBSERVED	none
ANALYSIS	VOCs, SVOCs, TAL Metals	LABORATORY	Chemtech
DATE SHIPPED	4/1/2010	SHIPPING METHOD	UPS

SAMPLING PARAMETERS

Time	Flow Rate (mL/min)	pH	Cond. (mS/cm)	Turbidity (NTU)	ORP (mV)	Temp. (°C)
13:38	400	5.76	0.183	88.9	304	15.46
13:41	400	5.49	0.233	28.9	336	16.72
13:44	400	5.64	0.263	12.8	347	17.12
13:47	400	5.72	0.276	7.1	356	17.32
13:50	400	5.75	0.268	4.9	364	17.34
13:53	400	5.75	0.273	3.3	373	17.46
13:56	400	5.74	0.280	2.6	377	17.50
13:59	400	5.74	0.276	2.7	381	17.47

APPENDIX I

DATA VALIDATION & USABILITY REPORT



STONE ENVIRONMENTAL INC

DATA USABILITY SUMMARY REPORT (DUSR)

Site Name:	Former Ronkonkoma Wall Paper Site, Ronkonkoma, NY
Performing Laboratory:	CHEMTECH Laboratory, Mountainside, NJ 07092
P.W. Grosser Project No.	SHD1002
Project Manager	Zeb Youngman, Project Manager
Stone Project Number:	082074-F, Phase VI – Ronkonkoma Wall Paper Site – Suffolk County.
Analyses/Methods:	VOAs by Method 8260B, Soil collection/preparation Modified Method 5035, SVOAs by Method 8270C/3541/3510C, Metals/Mercury by Method 6010B/7471A/7470A, Cyanide by Method 9010/9012A
Data Validation Level	Limited. Full on 5% or one sample from each SDG.
Prepared by: Kim Watson, Stone Environmental, Inc.	Completed on: 6/2/2010
Reviewed by: Lesley Allen, Stone Environmental, Inc.	SDG Nos.: B1546, B1561, B1659 and B1773

Stone Environmental, Inc. (Stone) has completed the validation and quality assurance (QA) evaluation on the analysis data prepared by CHEMTECH in Mountainside, NJ for 13 soil samples, 4 field blanks, and 4 trip blanks collected March 8, 9, and 18, and April 1, 2010. The laboratory reported the data under Sample Delivery Group (SDG) Nos. B1546, B1561, B1659, and B1773 received by Stone on April 26, 2010 with amendments received on May 27, 2010. The sample and laboratory identifiers and the selected analyses as shown on the chain of custody records are provided in Attachment A. Volatile organic analyses (VOA) were performed according to SW846 Methods Modified 5035B and 8260B, Semivolatile organic analyses (SVOA) by Method 8270D, Metals/Mercury by Methods 6010B/7470/7470, and cyanide by Method 9010/9012. The target compound lists included all standard target analytes typically specified under the US EPA Contract Laboratory Program (CLP) and those specified by the Suffolk County Department of Health Services (SCDHS) Office of Pollution Control for samples in SDG No. B1659. This DUSR is based on review of the laboratory SDG case narratives and the full "Tier III" third-party data validation report, which are provided in Attachment B and Attachment C, respectively. Full Tier III data validation was performed on 5% of the data or one sample from each SDG for volatiles, semivolatiles, metals, and cyanide in soil and water samples, in accordance with EPA Region II's Standard Operating Procedures (SOPs) for validating organic analyses and the New York State Department of Environmental Conservation (NYSDEC) Technical Guidance for Site Investigation and Remediation (DRAFT DER-10, Nov. 2009) Appendix 2B Guidance for Data Deliverables and Development of Data Usability Summary Reports, and professional judgment was applied as necessary and appropriate. The remaining data in these SDGs received a summary validation or Tier II validation as defined by EPA Region I guidelines.

This DUSR data evaluation included a review of the following as based on the case narratives, data summary tables, and the full data validation:

- Technical holding times

- Sample preservation
- Instrument tuning and calibration
- Instrument and preparation blanks
- Surrogate and internal standard recoveries
- Laboratory control and field sample spike recoveries
- Field and laboratory duplicates
- Sample quantitation and quantitation limits
- Calculation checks (not evaluated in a Tier II validation)

All laboratory deliverables were received in accordance with the work plan and general reporting requirements from the NYSDEC's Analytical Services Protocol (ASP) (2005). Any deviations from acceptable QC specifications are discussed in detail in the case narrative and data validation report, and laboratory qualifiers (as defined in the data deliverables) were added to the data, when appropriate, to indicate potential concerns with data usability. These qualifiers were reported on the Form I's by the laboratory and by the third-party validator. Final validated results are annotated with the following codes, as defined in the EPA Region II SOPs.

- U - The analyte was analyzed for but was not detected above the reported sample quantitation limit. The associated numerical value is the sample quantitation limit. The sample quantitation limit accounts for sample-specific dilution factors and percent solids corrections or sample sizes that deviate from those required by the method.
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. The "J" data may be biased high or low.
- UJ -The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. The R replaces the numerical value or sample quantitation limit. In some instances such as dilutions and reanalyses a result may be indicated as "rejected" to avoid confusion when a more quantitatively accurate result is available.

Summary of Data Usability

The validation and usability assessment indicate that the data from this sample set are usable as qualified during the validation assessment with the exception of results for benzaldehyde in water samples MW-1, MW-4, MW-5, and Dup-04 as these results were rejected (R) due to recoveries in the blank spike at less than 10%. The overall quality control data provided in the laboratory reports and in the case narrative indicate that the data are representative of adequate method accuracy and precision with regard to project objectives. As noted in the case narratives, the following sample sets warrant qualification as estimated (J, UJ):

- In the VOA analyses, due to internal standard (IS) outages in the original analyses, samples SS-11(0-2) and SS-12(0-2) were reanalyzed. The low IS response were replicated in these samples. Both sets were reported but the validator recommends the first set of results be used for reporting with qualification as estimated (J, UJ).
- In the SVOA analyses, due to extraction outside the prescribed holding time, samples SS1-(0-2)RE, SS-2(0-2)RE, SS-3(0-2)RE, SS-4(0-2)RE, SS-5(0-2)RE, SS-6(0-2)RE, SS-7(0-2)RE, SS-8(0-2)RE, DUP-01RE, SS-9(0-2)RE, SS-10(0-2)RE, SS-11(0-2)RE, and SS-12(0-2)RE.

Dilutions were performed in a few of the SDGs and multiple data sets were provided for some of the samples. In the case of dilution analyses, the result from the more concentrated analysis shall be replaced with the appropriate concentration from the dilution analysis and results flagged with an "E" or "OR" should be replaced from the concentration in the dilution analyses.

As noted in the full data validation report, results for several compounds were qualified as estimated (J, UJ) due to laboratory quality control outliers and some results were reported to the reporting limit due to laboratory or blank contamination. These qualifications are summarized in the full validation report and are summarized below:

- Based on samples extracted outside the prescribed holding times, all compounds in all low-level SVOA samples in SDG No. 1546 were qualified as estimated (J, UJ). Therefore, based on the low IS response, all compounds using these IS standards for quantitation warrant qualification as estimated. However, since this sample was previously qualified as estimated based on holding time, no additional qualification was applied.
- Based on the elevated %R in the CRQL standard, the result for mercury in DW-3 was qualified as estimated (J) bias high.
- Based on unacceptable %RSD or %D values in the associated calibration standards, the following results were qualified as estimated (J, UJ):
 - o Results for dichlorodifluoromethane in SS-9(0-2) and SB-4(18-20).
 - o Results for chloromethane, vinyl chloride, bromomethane, chloroethane, trichlorofluoromethane, 1,1-dichloroethene, and cyclohexane, 1,1,2-trichlorotrifluoroethane in SS-9(0-2).
 - o Results for vinyl chloride and trichlorofluoromethane in SB-4(18-20).
 - o Results for benzaldehyde in SB-4(18-20) and SS-9(0-2)RE.
 - o Results for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, and pentachlorophenol in SB-4(18-20) and SS-9(0-2).
 - o Results for 2,4-dinitrophenol in SS-9(0-2)RE and MW-4.
 - o The result for acetone in DW-3.
 - o Results for bromomethane, bromoform, 1,2-dibromo-3-chloropropane, and acetone in MW-4.
- Based on laboratory contamination, results for dimethylphthalate in all soil samples reported at concentrations less than the reporting limit (RL) were qualified as non-detect at less than the reporting limit (U).
- Based on laboratory blank contamination, only results reported below the CRQL (J) for arsenic, barium, cadmium, chromium, calcium, lead, magnesium, selenium, sodium, and thallium detected below the CRQL in soil samples SS-9 (0-2), SB-4(18-20), and DW-3, and in the water sample MW-4 were qualified as less than the CRQL or RL (U).
- Based on the recovery and/or relative percent difference outside the acceptance limits in the MS/MSD analysis, results for n-butylbenzene, 1,2,4-trichlorobenzene, 1,2,4,5-tetramethylbenzene, and 1,2,3-trichlorobenzene were qualified as estimated (J, UJ).
- Based on poor reproducibility in the field duplicate pairs, the following results were qualified as estimated (J, UJ):

- o Results for toluene, ethylbenzene, isopropyltoluene, naphthalene, total xylene, n-propylbenzene, and 1,2,4-trimethylbenzene in DW-3 and Dup 03 were qualified as estimated (J, UJ).
 - o The result for manganese SB-4(18-20).
 - o The result for bis(2-ethylhexyl)phthalate in SS-9(0-2).
- Based on low recovery in the blank spike, the result for 4-chloroaniline in SB-4(18-20) was qualified as estimated (UJ).
 - Based on the recovery in the blank spike at <10%, the result for benzaldehyde in MW-4 was rejected (R).
 - Results for isopropyltoluene, chromium, and lead in sample DW-3 low-level analysis were rejected (R) due to the detection of these compounds outside the linear range of the instrument.
 - Results from the dilution analyses that did not replace results in the more concentrated analyses were dropped from consideration or rejected (R) in sample DW-3DL.
 - Based on laboratory contamination, results for the TICs in all soil and water samples in which they were detected at RTs 1.75/1.96, 3.19/3.42, 9.74, 10.82, 12.02, 12.59, and 13.93 were rejected (R).

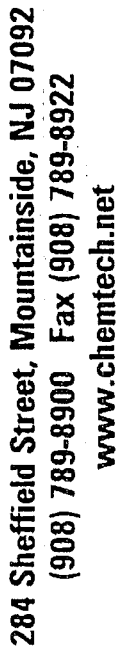
Although not observed in the associated MB, the validator recommends caution in the use of the compound bis(2-ethylhexyl)phthalate in the medium level SVOA soil sample for SS-9 (0-2) since this compound is a common laboratory contaminant and may have been artificially introduced into the sample since it was not detected in the low-level analyses. The validator also recommends caution in the use of acetone in VOA soil samples since this compound may have been artificially introduced and is a common laboratory contaminant.

The validator recommends caution in the use of specific compound names reported by the laboratory for tentatively identified compounds in these samples, and recommends the use of more general classifications such as “unknown alkane” and/or “unknown benzene” since the identification of specific compounds were not supported with standard analyses.

The completeness level attained for the analysis of the field samples was greater than 95%. For all data, the overall quality of the data was acceptable and considered usable with the exception of benzaldehyde in water samples.

ATTACHMENT A

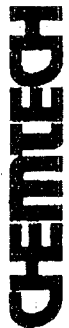
**CHAIN OF CUSTODY RECORDS
SDG Nos. B1546, B1561, B1659, and B1773
Volatiles, Semivolatiles, Total and Dissolved Metals
and Cyanide in Water and Soil Samples**



COC Number 007000

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		CLIENT BILLING INFORMATION	
COMPANY: <u>P.W. Greiner Consulting</u> ADDRESS: <u>630 Schenck Ave., Suite 7</u> CITY: <u>Bohemia</u> STATE: <u>NV</u> ZIP: <u>11716</u> ATTENTION: <u>Zeb Youngman</u> PHONE: <u>(631) 589-1253</u> FAX: <u>(631) 589-5845</u>		BILL TO: PO#: ADDRESS: CITY: STATE: ZIP: ATTENTION: PHONE:	
PROJECT NAME: <u>Ronhequana Wallpaper</u> PROJECT NO.: <u>SHD1002</u> LOCATION: <u>Ronhequana, NY</u> PROJECT MANAGER: <u>Zeb Youngman</u> e-mail: <u>Zeb@p.wgreiner.com</u> PHONE: <u>(631) 589-6333</u> FAX: <u>(631) 589-8705</u>		ANALYSIS 1 2 3 4 5 6 7 8 9 0.105 1.001/0.109 0.105 0.105	
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION	
FAX: _____ DAYS* HARD COPY: _____ DAYS* EDD: _____ DAYS* PREAPPROVED TAT: ☐ YES ☐ NO STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☒ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☒ Other C.D. REM ☐ EDD FORMAT	
CHEMTECH SAMPLE ID		PROJECT IDENTIFICATION	
1. <u>SS-1 (0-2")</u> 2. <u>SS-2 (0-2")</u> 3. <u>SS-3 (0-2") (MSI/MSD)</u> 4. <u>SS-4 (0-2")</u> 5. <u>SS-5 (0-2")</u> 6. <u>SS-6 (0-2")</u> 7. <u>SS-7 (0-2")</u> 8. <u>SS-8 (0-2")</u> 9. <u>SS-9 (0-2")</u> 10. <u>SS-10 (0-2")</u>		SAMPLE TYPE ☒ GAB ☐ COM	
SAMPLE COLLECTION		# OF BOTTLES	
DATE TIME 3/8/10 14:05 14:00 13:45 13:10 13:30 11:31 13:00 11:50 12:05 12:00		2 2 6 2 1 2 2 2 2 2	
PRESERVATIVES		COMMENTS	
1 E E E X 2 X X X X 3 X X X X 4 X X X X 5 X X X X 6 X X X X 7 X X X X 8 X X X X 9 X X X X		← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other	
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY			
RELINQUISHED BY SAMPLER		RECEIVED BY:	
1. <u>David Greiner</u> RELINQUISHED BY		DATE/TIME: <u>3-8-10 15:00</u> RECEIVED BY: 1. <u>UPS</u> DATE/TIME: _____ RECEIVED BY: 2. _____ DATE/TIME: <u>03/09/10</u> RECEIVED BY: 3. <u>M. D. Greiner</u>	
RELINQUISHED BY		RECEIVED BY	
2. _____ RELINQUISHED BY		DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____	
SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT ☐ PICKED UP ☐ OVERNIGHT		SHIPMENT NO: <u>2007</u> YES ☐ NO ☐	



CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. B546
QUOTE NO. B546
COC Number 087269

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION							
REPORT TO BE SENT TO				PROJECT NAME: <u>Kenilworth W&H Paper</u>				BILL TO: <u>SALE</u>							
ADDRESS: <u>620 Johnson Ave, Suite 7</u>				PROJECT NO.: <u>SHD 1092</u> LOCATION: <u>Romney, NY</u>				ADDRESS: <u>SALE</u>							
CITY: <u>Bohemia</u> STATE: <u>NY</u> ZIP: <u>11716</u>				PROJECT MANAGER: <u>Zeb Yangman</u>				CITY: <u>SALE</u> STATE: <u>NY</u> ZIP: <u>SALE</u>							
ATTENTION: <u>Zeb Yangman</u>				e-mail: <u>Zeb.Yangman@chemtech.net</u>				ATTENTION: <u>SALE</u> PHONE: <u>SALE</u>							
PHONE: <u>(631) 584-6353</u> FAX: <u>(631) 584-6705</u>				PHONE: <u>(631) 584-6353</u> FAX: <u>(631) 584-6705</u>				ANALYSIS							
DATA TURNAROUND INFORMATION				DATA DELIVERABLE INFORMATION				PRESERVATIVES							
FAX: _____ DAYS: _____				☐ RESULTS ONLY ☐ USEPA CLP				1 2 3 4 5 6 7 8 9							
HARD COPY: _____ DAYS: _____				☐ RESULTS + QC ☒ New York State ASP "B"				COMMENTS							
EDD: _____ DAYS: _____				☐ New Jersey REDUCED ☐ New York State ASP "A"				← Specify Preservatives							
PREAPPROVED TAT: ☐ YES ☐ NO				☐ New Jersey CLP ☒ Other <u>ED-Blank</u>				A-HCl B-HNO ₃							
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS				☐ EDD FORMAT				C-H ₂ SO ₄ D-NaOH							
CHEMTECH SAMPLE ID		PROJECT IDENTIFICATION		SAMPLE TYPE		SAMPLE COLLECTION		DATE		TIME		COMMENTS			
1. <u>SS-11 (9-2")</u>		<u>Soil</u>		<u>X</u>		<u>3/6/09</u>		<u>12:35</u>		<u>2</u>		<u>E E E</u>			
2. <u>SS-12 (9-2")</u>		<u>Soil</u>		<u>X</u>		<u>3/8/10</u>		<u>13:45</u>		<u>2</u>		<u>X X X</u>			
3. <u>DUP-01</u>		<u>Soil</u>		<u>X</u>		<u>3/8/10</u>		<u>---</u>		<u>2</u>		<u>X X X</u>			
4. <u>Field Blank (3-8-10)</u>		<u>Water</u>		<u>X</u>		<u>3/8/10</u>		<u>17:15</u>		<u>5</u>		<u>X X X</u>			
5. <u>Trap Blank</u>		<u>Water</u>		<u>X</u>		<u>---</u>		<u>---</u>		<u>2</u>		<u>X X X</u>			
6. _____		_____		_____		_____		_____		_____		_____			
7. _____		_____		_____		_____		_____		_____		_____			
8. _____		_____		_____		_____		_____		_____		_____			
9. _____		_____		_____		_____		_____		_____		_____			
10. _____		_____		_____		_____		_____		_____		_____			
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY				RECEIVED BY: <u>URS</u>				RECEIVED BY: <u>URS</u>				RECEIVED BY: <u>URS</u>			
DATE/TIME: <u>3-10-10/15:00</u>				DATE/TIME: <u>3-10-10/15:00</u>				DATE/TIME: <u>3-10-10/15:00</u>				DATE/TIME: <u>3-10-10/15:00</u>			
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RELINQUISHED BY: <u>URS</u>				RELINQUISHED BY: <u>URS</u>				RELINQUISHED BY: <u>URS</u>				RELINQUISHED BY: <u>URS</u>			
RELINQUISHED BY: <u>URS</u>				RELINQUISHED BY: <u>URS</u>				RELINQUISHED BY: <u>URS</u>				RELINQUISHED BY: <u>URS</u>			
SHIPPED VIA: <u>2</u> of <u>2</u>				SHIPPED VIA: <u>2</u> of <u>2</u>				SHIPPED VIA: <u>2</u> of <u>2</u>				SHIPPED VIA: <u>2</u> of <u>2</u>			
CLIENT: <u>SALE</u>				CLIENT: <u>SALE</u>				CLIENT: <u>SALE</u>				CLIENT: <u>SALE</u>			
OVERNIGHT: ☐ YES ☐ NO				OVERNIGHT: ☐ YES ☐ NO				OVERNIGHT: ☐ YES ☐ NO				OVERNIGHT: ☐ YES ☐ NO			
SHIPMENT: <u>26888</u>				SHIPMENT: <u>26888</u>				SHIPMENT: <u>26888</u>				SHIPMENT: <u>26888</u>			

Cover Page

Order ID : B1546

Project ID : Ronkonkona Wallpaper- Suffolk County

Client : P.W. Grosser Consulting

Lab Sample Number

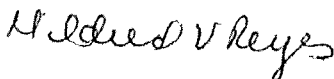
B1546-01
B1546-02
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B1546-14
B1546-15
B1546-16
B1546-17

Client Sample Number

SS-1(0-2)
SS-2(0-2)
SS-3(0-2)
B1546-03MS
B1546-03MSD
SS-4(0-2)
SS-5(0-2)
SS-6(0-2)
SS-7(0-2)
SS-8(0-2)
SS-9(0-2)
SS-10(0-2)
SS-11(0-2)
SS-12(0-2)
DUP-01
FIELDBLANK
TRIPBLANK

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 :



Mildred V. Reyes
I am approving this document
2010.03.22 13:54:22 -05'00'

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. 12
QUOTE NO. _____
COC Number 0872

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION	
COMPANY: <u>R.W. Groves Consulting</u> ADDRESS: <u>630 Johnson Ave, Suite 7</u> CITY: <u>Bonham</u> STATE: <u>NY</u> ZIP: <u>11716</u>		PROJECT NAME: <u>Bonham's Wallpaper</u> PROJECT NO.: <u>SHD 1002</u> LOCATION: <u>Rancho Las Vegas, NV</u> PROJECT MANAGER: <u>Zeb Youngman</u> e-mail: <u>zeby@pagrosser.com</u>		BILL TO: _____ PO#: _____ ADDRESS: <u>SAFE</u> CITY: _____ STATE: _____ ZIP: _____ ATTENTION: _____ PHONE: _____	
PHONE: <u>(631) 589-6353</u> FAX: <u>(631) 589-8705</u> DATA TURNAROUND INFORMATION FAX: _____ DAYS: _____ HARD COPY: _____ DAYS: _____ EDD: _____ DAYS: _____ PRE-APPROVED TAT: ☐ YES ☐ NO STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		DATA DELIVERABLE INFORMATION ☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☒ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☒ Other <u>CD-Bent</u> ☐ EDD FORMAT		ANALYSIS 1 2 3 4 5 6 7 8 9 <u>0.000</u> <u>0.000</u> <u>0.000</u> <u>0.000</u> <u>0.000</u> <u>0.000</u> <u>0.000</u> <u>0.000</u> <u>0.000</u>	
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		PRESERVATIVES	
CHEMTECH SAMPLE ID 1. <u>SB-1 (18-20)</u> 2. <u>SB-2 (18-20)</u> 3. <u>SB-3 (18-20)</u> 4. <u>SB-4 (18-20)</u> 5. <u>SB-5 (14-16)</u> 6. <u>SB-5 (18-20)</u> 7. <u>SB-6 (14-16)</u> 8. <u>SB-6 (18-20) / MS / MSD</u> 9. <u>SB-7 (14-16)</u> 10. <u>SB-7 (18-20)</u>		SAMPLE MATRIX 1. <u>Soil</u> 2. <u>Soil</u> 3. <u>Soil</u> 4. <u>Soil</u> 5. <u>Soil</u> 6. <u>Soil</u> 7. <u>Soil</u> 8. <u>Soil</u> 9. <u>Soil</u> 10. <u>Soil</u>		SAMPLE TYPE 1. <u>X</u> 2. <u>X</u> 3. <u>X</u> 4. <u>X</u> 5. <u>X</u> 6. <u>X</u> 7. <u>X</u> 8. <u>X</u> 9. <u>X</u> 10. <u>X</u>	
PROJECT IDENTIFICATION 1. <u>SB-1 (18-20)</u> 2. <u>SB-2 (18-20)</u> 3. <u>SB-3 (18-20)</u> 4. <u>SB-4 (18-20)</u> 5. <u>SB-5 (14-16)</u> 6. <u>SB-5 (18-20)</u> 7. <u>SB-6 (14-16)</u> 8. <u>SB-6 (18-20) / MS / MSD</u> 9. <u>SB-7 (14-16)</u> 10. <u>SB-7 (18-20)</u>		SAMPLE COLLECTION DATE TIME 1. <u>3/19/10 09:06</u> 2. <u>3/19/10 09:35</u> 3. <u>3/19/10 10:03</u> 4. <u>3/19/10 10:30</u> 5. <u>3/19/10 10:43</u> 6. <u>3/19/10 10:42</u> 7. <u>3/19/10 13:15</u> 8. <u>3/19/10 13:15</u> 9. <u>3/19/10 13:40</u> 10. <u>3/19/10 13:40</u>		COMMENTS Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other	
RECEIVED BY: <u>[Signature]</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____	
RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____	
RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____	
RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____	
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RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____	
RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____	
RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____	
RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____	
RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: <u>UPS</u> DATE/TIME: <u>3/10/10 11:00</u> RECEIVED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____		RECEIVED BY: _____ DATE/TIME:	

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. B1561
COC Number 087271

CLIENT INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION				
REPORT TO BE SENT TO: COMPANY: <u>P.W. Grosser Consulting</u> ADDRESS: <u>630 Johnson Ave, Suite 7</u> CITY: <u>Bohemia</u> STATE: <u>NY</u> ZIP: <u>11716</u> ATTENTION: <u>Zeb Youngman</u> PHONE: <u>(631) 584-6353</u> FAX: <u>(631) 584-8745</u>		PROJECT NAME: <u>Ronkankon Wallpaper</u> PROJECT NO.: <u>SHD 1902</u> LOCATION: <u>Ronkankon, NY</u> PROJECT MANAGER: <u>Zeb Youngman</u> e-mail: <u>zebyoungman@msn.com</u> PHONE: <u>(631) 589-6353</u> FAX: <u>(631) 589-8745</u>		BILL TO: _____ PO#: _____ ADDRESS: <u>SALES</u> CITY: _____ STATE: _____ ZIP: _____ ATTENTION: _____ PHONE: _____				
DATA TURNAROUND INFORMATION FAX: _____ DAYS: _____ HARD COPY: _____ DAYS: _____ EDD: _____ DAYS: _____ PREAPPROVED TAT: ☐ YES ☐ NO STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		DATA DELIVERABLE INFORMATION ☐ RESULTS ONLY ☒ USEPA CLP ☐ RESULTS + QC ☒ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☒ Other <u>CLP - RAA</u> ☐ EDD FORMAT		ANALYSIS 1 2 3 4 5 6 7 8 9 <u>6/19/10</u> <u>6/19/10</u> <u>6/19/10</u> <u>6/19/10</u> <u>6/19/10</u> <u>6/19/10</u> <u>6/19/10</u> <u>6/19/10</u> <u>6/19/10</u>				
CHEMTECH SAMPLE ID	PROJECT IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION DATE	TIME	# OF BOTTLES	PRESERVATIVES	COMMENTS
1.	DUP-03	Soil	X	3/9/10	—	2	E E E E E E E E E E	
2.	Field Blank (3/9/10)	Water	X	3/9/10	11:00	5	X X X X X X X X X X	
3.	Trip Blank	Water	X	—	—	2	X X X X X X X X X X	
4.								
5.								
6.								
7.								
8.								
9.								
10.								
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY								
RELINQUISHED BY: <u>[Signature]</u> DATE/TIME: <u>3-9-10 11:00</u>		RECEIVED BY: <u>UP</u> DATE/TIME: <u>3-9-10 11:00</u>		CONDITIONS OF BOTTLES OR COOLERS AT RECEIPT: ☒ COMPLIANT ☐ NON COMPLIANT MeOH extraction requires an additional 4oz jar for percent solid.		Cooler Temp. <u>3°C</u> Ice in Cooler?: <u>yes</u>		
RELINQUISHED BY: <u>UPs</u> DATE/TIME: <u>3/10/10 11:50</u>		RECEIVED BY: <u>[Signature]</u> DATE/TIME: <u>3/10/10 11:50</u>		SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT		Shipment Complete: ☒ YES ☐ NO		

Cover Page

Order ID : B1561**Project ID :** Ronkonkona Wallpaper- Suffolk County**Client :** P.W. Grosser Consulting**Lab Sample Number**

B1561-01
B1561-02
B1561-03
B1561-04
B1561-05
B1561-06
B1561-07
B1561-08
B1561-09
B1561-10
B1561-11
B1561-12
B1561-13
B1561-14
B1561-15

Client Sample Number

SB-1(18-20)
SB-2(18-20)
SB-3(18-20)
SB-4(18-20)
SB-5(14-16)
SB-5(18-20)
SB-6(14-16)
SB-6(18-20)
B1561-08MS
B1561-08MSD
SB-7(14-16)
SB-7(18-20)
DUP-02
FIELDBLANK(3-9-10)
TRIPBLANK

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 :



Digitally signed by Shelly
Guha
DN: cn=Shelly Guha,
c=US
Date: 2010.03.23
14:50:05 -0500

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO.
COC Number 08727

B1659

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION			
COMPANY: P.W. Greiner ADDRESS: 630 Johnson Ave, Suite 7 CITY: Bohemia STATE: NY ZIP: 11716 ATTENTION: Zeb Youngman PHONE: (631) 584-6353 FAX: (631) 584-8745		PROJECT NAME: Rockaway Wallpaper PROJECT NO.: SHD1002 LOCATION: Rockaway, NY PROJECT MANAGER: Zeb Youngman e-mail: Zeb@plygloss.com PHONE: (631) 584-6353 FAX: (631) 584-8745		BILL TO: PO# ADDRESS: CITY: STATE: ZIP: ATTENTION: PHONE:			
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS			
FAX: _____ DAYS* HARD COPY: _____ DAYS* EDD: _____ DAYS* PREAPPROVED TAT: ☐ YES ☐ NO STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☒ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☒ Other ☐ D-RAM ☐ EDD FORMAT		ANALYSIS			
CHEMTECH SAMPLE ID		PROJECT IDENTIFICATION		PRESERVATIVES		COMMENTS	
						← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other	
1.	DW-3/MS/MSD	Soil	SAMPLE TYPE: ☒ GAB ☐ COM SAMPLE COLLECTION: DATE: 3/18/03 TIME: 14:00 # OF BOTTLES: 6	1	2	3	4
2.	Dup. 03	Soil	SAMPLE TYPE: ☒ GAB ☐ COM SAMPLE COLLECTION: DATE: 3/18/03 TIME: 14:00 # OF BOTTLES: 2	1	2	3	4
3.	Ford Bank (3-18-10)	Water	SAMPLE TYPE: ☒ GAB ☐ COM SAMPLE COLLECTION: DATE: 3/18/03 TIME: 16:39 # OF BOTTLES: 5	1	2	3	4
4.	Trip Bank	Water	SAMPLE TYPE: ☒ GAB ☐ COM SAMPLE COLLECTION: DATE: 3/18/03 TIME: 16:39 # OF BOTTLES: 0	1	2	3	4
5.				5	6	7	8
6.				5	6	7	8
7.				5	6	7	8
8.				5	6	7	8
9.				5	6	7	8
10.				5	6	7	8
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY							
RELINQUISHED BY: SAMPLER		DATE/TIME		RECEIVED BY:		DATE/TIME	
1. [Signature]		3/18/03 17:00		1. UPS			
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:	
2. [Signature]				2. [Signature]			
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:	
3. UPS		3/19/10 10:10		3. SNEERAC Menta			
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:	
CONDITIONS OF BOTTLES OR COOLERS AT RECEIPT: ☒ COMPLIANT ☐ NON COMPLIANT MeOH extraction requires an additional 4 oz jar for percent solid.				COOLER TEMP: 4°C ICE IN COOLER?: YES			
COMMENTS:				SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT			
SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT				SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT			

Cover Page

Order ID : B1659**Project ID :** Ronkonkona Wallpaper- Suffolk County**Client :** P.W. Grosser Consulting**Lab Sample Number**

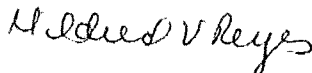
B1659-01
B1659-02
B1659-03
B1659-04
B1659-05
B1659-06

Client Sample Number

DW-3
B1659-01MS
B1659-01MSD
DUP-03
FIELDBLANK(3-18-10)
TRIPBLANK

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 : _____



Mildred V. Reyes
I am approving this document
2010.04.01 14:03:26 -05'00'

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION							
REPORT TO BE SENT TO: COMPANY: P.W. Grosser Consulting ADDRESS: 630 Samson Ave, Suite 7 CITY: Bohemia STATE: NY ZIP: 11716 ATTENTION: Zeb Youngman PHONE: (631) 589-6353 FAX: (631) 589-5705				PROJECT NAME: Parkview PROJECT NO.: SHD 1002 LOCATION: Parkview NY PROJECT MANAGER: Zeb Youngman e-mail: zeb@pwy.com PHONE: FAX:				BILL TO: PO#: ADDRESS: CITY: STATE: ZIP: ATTENTION: PHONE:							
DATA TURNAROUND INFORMATION FAX: _____ DAYS: _____ HARD COPY: _____ DAYS: _____ EDD: _____ DAYS: _____ PRE-APPROVED TAT: ☐ YES ☐ NO STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS				DATA DELIVERABLE INFORMATION ☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☒ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD FORMAT _____				ANALYSIS (Handwritten: 7/11/2010, 7/11/2010, 7/11/2010, 7/11/2010, 7/11/2010, 7/11/2010, 7/11/2010, 7/11/2010, 7/11/2010, 7/11/2010)							
CHEMTECH SAMPLE ID	PROJECT IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	PRESERVATIVES				COMMENTS					
1. 12.3 912	MW-1/MS/MSD	Liquid	X	4/11/2010	1137	1	2	3	4	5	6	7	8	9	Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other
2. 4 12	MW-4	Liquid	X	4/11/2010	1009	1	2	3	4	5	6	7	8	9	
3. 5 13	MW-5	Liquid	X	4/11/2010	1402	1	2	3	4	5	6	7	8	9	
4. 6 14	DUP-04	Liquid	X	4/11/2010	—	1	2	3	4	5	6	7	8	9	
5. 7 15	Field Blank (4/11/2010)	Liquid	X	4/11/2010	1420	1	2	3	4	5	6	7	8	9	
6. 8 16	Trap Blank (4/11/2010)	Liquid	X	—	—	1	2	3	4	5	6	7	8	9	
7.															
8.															
9.															
10.															
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY															
RELINQUISHED BY SAMPLER 1. <i>[Signature]</i>		DATE/TIME 4/11/2010 17:30		RECEIVED BY: 1. VRS		CONDITIONS OF BOTTLES OR COOLERS AT RECEIPT: ☒ Compliant ☐ Non Compliant		COOLER TEMP. <i>4°C</i> ICE IN COOLER?: <i>yes</i>		SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT					
RELINQUISHED BY: 2. <i>[Signature]</i>		DATE/TIME 4/11/2010 11:20		RECEIVED BY: 2. <i>[Signature]</i>		COMMENTS: MeOH extraction requires an additional 4 oz jar for percent solid.				SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ PICKED UP ☐ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT					
RELINQUISHED BY: 3. <i>[Signature]</i>		DATE/TIME 4/11/2010 11:20		RECEIVED FOR LAB BY: 3. <i>[Signature]</i>						SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ PICKED UP ☐ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT					

Cover Page

Order ID : B1773**Project ID :** Ronkonkona Wallpaper- Suffolk County**Client :** P.W. Grosser Consulting**Lab Sample Number**

B1773-01
B1773-02
B1773-03
B1773-04
B1773-05
B1773-06
B1773-07
B1773-08
B1773-09
B1773-10
B1773-11
B1773-12
B1773-13
B1773-14

Client Sample Number

MW-1
B1773-01MS
B1773-01MSD
MW-4
MW-5
DUP-04
FIELDBLANK(4-1-2010)
TRIPBLANK(4-1-2010)
MW-1
B1773-09MS
B1773-09MSD
MW-4
MW-5
DUP-04

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 :



Digitally signed by Shelly
Guha
DN: cn=Shelly Guha, c=US
Date: 2010.04.16 15:39:24
+04'00'

ATTACHMENT B

CASE NARRATIVES

**SDG Nos. B1546, B1561, B1659, and B1773
Volatiles, Semivolatiles, Total and Dissolved Metals
and Cyanide in Water and Soil Samples**



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, 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 K were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator. The analysis performed on instrument MSVOA E were done using GC column RTX-VMS which is 60 meters, 0.25 ID, 1.40 df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.

The analysis of VOC-TCLVOA-10 was based on method 8260.

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 except for SS-11(0-2), SS-11(0-2)RE, SS-12(0-2) and SS-12(0-2)RE.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except for Dichlorodifluoromethane and Methyl Acetate.

The MSD recoveries met the acceptable requirements except for Dichlorodifluoromethane and Methyl Acetate.

The RPD for (BSE0310W2) recoveries met criteria except for Methylene Chloride.

The Blank Spike Duplicate with file id BSE0310W2 met requirements for all samples except for Methylene Chloride but it was not detected in Samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82E030910W.M) for 1,1-Dichloroethane, 2-Butanone, Benzene, Bromodichloromethane, cis-1,2-dichloroethene, Cyclohexane, Ethylbenzene, o-Xylene, Styrene and Toluene.

These compounds are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor.

The %RSD is greater than 15% in the Initial Calibration (Method 82K030810S.M) for Dichlorodifluoromethane and Vinyl Chloride. These compounds are passing on linear regressions, however in this case they were left on average response factor. The ICV (File ID:VK037946.D Method 82K030810S.M) met the requirements except for Acetone. The Continuing Calibration (File ID:VK037965.D Method 82K030810S.M) met the requirements except for Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1-Dichloroethene and Cyclohexane but they were not detected in Samples. The Continuing Calibration (File ID:VK037988.D Method 82K030810S.M) met the requirements except for Dichlorodifluoromethane, Vinyl Chloride and Trichlorofluoromethane but it is not present in the sample. The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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 Mildred V Reyes

Mildred V. Reyes
I am approving this document
2010.03.22 13:54:10 -05'00'

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Result Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U. This is the detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the compound was analyzed for but was not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L, and a concentration of 3ug/L was calculated, report as 3 J.
B	Indicates the analyte was found in the blank as well as the sample.
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected Aldol-condensation product.



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, 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 E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.

The analysis of SVOC-TCL BNA -20 was based on method 8270C and extraction was done based on method 3541/3510C.

D. QA/ QC Samples:

The Holding Times were met for all analysis except for re-extracted samples.

The samples were re-extracted as per client's request.

"Samples for semi-volatile organic analysis were extracted using 3 g sample weight.

There were no positive hits in the sample. Therefore, these samples were re-extracted and reanalyzed, out of holding time, using 30g sample weight. Both data are included in the datapackage"

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for SS-1(0-2)RE, DUP-01RE, SS-9(0-2)RE, SS-8(0-2)RE, SS-7(0-2)RE, SS-4(0-2) RE and SS-11(0-2)RE due to matrix interference.

The Retention Times were acceptable for all samples.

The MS (B1546-04MS) recoveries met the requirements for all compounds except for bis(2-Ethylhexyl)phthalate.

The MSD (B1546-04MSD) recoveries met the acceptable requirements except for bis(2-Ethylhexyl)phthalate.

The MS (B1546-04REMS) recoveries met the requirements for all compounds except for Benzaldehyde.

The MSD (B1546-04REMSD) recoveries met the acceptable requirements except for Benzaldehyde.

The RPD (B1546-04REMSD) recoveries met criteria except for Benzaldehyde, Caprolactam, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and 3,3'-Dichlorobenzidine.

The Blank Spike met requirements for all samples.

The Blank analysis indicated presence of Dimethylphthalate due to possible lab contamination.

The Blank analysis indicated presence of Dimethylphthalate (170 ug/Kg) in file id BE062987.D due to possible lab contamination.

The % RSD for Benzaldehyde in the initial calibration dated 03/09/10 with instrument E are above 15 %. These compounds are passing on linear regressions, however in this case they were left on average response factor.

The % RSD for Benzaldehyde in the initial calibration dated 04/29/10 with instrument E are above 15 %. These compounds are passing on linear regressions, however in this case they were left on average response factor.

The Calibration File ID BE062539.D met the requirements except for Hexachlorocyclopentadiene, 2-Nitroaniline, Benzaldehyde and 4,6-Dinitro-2-methylphenol. The Calibration File ID BE062574.D met the requirements except for Benzaldehyde and Pentachlorophenol. These compounds are not present in the sample.

The Tuning criteria met requirements.

Samples SS-1(0-2), SS-7(0-2) and SS-11(0-2) were diluted due to bad matrices.

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.

Sample SS-3(0-2) was diluted due to high concentration.

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 Mildred V. Reyes

Mildred V. Reyes
I am approving this document
2010.04.22 16:37:12 -04'00'

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Result Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U. This is the detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the compound was analyzed for but was not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L, and a concentration of 3ug/L was calculated, report as 3 J.
B	Indicates the analyte was found in the blank as well as the sample.
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected Aldol-condensation product.



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL and Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010B and Mercury was based on method 7470A/7471A.

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 met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

CCV03 and CCV08 are failing for Sodium in 03/11/10 run but there are no associates samples were analyzed with these calibration.

Sample # 12 and 13 were diluted for Barium because of high concentration of target compound of the sample.

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 _____

Mildred V. Reyes
I am approving this document
2010.03.22 13:53:33 -05'00'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1546

A. Number of Samples and Date of Receipt:

15 Solid samples were received on 3/9/10.

2 Water samples were received on 3/9/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for Cyanide.

C. Analytical Techniques:

The analysis of Cyanide was based on method 9012A.

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 met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

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_____

Mildred V. Reyes
I am approving this document
2010.03.22 13:52:33 -05'00'

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Result Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected.
E	Indicates the reported value is estimated because of the presence of interference.
M	Indicates Duplicate injection precision is not met.
N	Indicates spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates the duplicate analysis is not within control limits.
+	Indicates correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometer "AS" for Semi -Automated Spectrophotometer "C" for Manual Spectrophotometer "T" for Titrimetric analysis "NR" for analyte not required to be analyzed
OR	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1561

A. Number of Samples and Date of Receipt:

13 Solid samples were received on 3/10/10.

2 Water samples were received on 3/10/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, 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 K were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator. The analysis performed on instrument MSVOA E were done using GC column RTX-VMS which is 60 meters, 0.25 ID, 1.40 df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260.

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 for (BSE0310W2) recoveries met criteria except for Methylene Chloride.

The Blank Spike Duplicate met requirements for all samples except for Methylene Chloride but it was not detected in Samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% for 1,1-Dichloroethane, 2-Butanone, Benzene, cis-1,2-dichloroethene, Cyclohexane, Ethylbenzene, o-Xylene, Styrene and Toluene in the Initial Calibration (Method 82E030910W.M) , they are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor

The %RSD is greater than 15% in the Initial Calibration (Method 82K030810S.M) for Dichlorodifluoromethane and Vinyl Chloride. These compounds are passing on linear regressions, however in this case they were left on average response factor.

The %RSD is greater than 15% in the Initial Calibration (Method 82K031110S.M) for Dichlorodifluoromethane, Chloromethane, Trichlorofluoromethane, Methyl Acetate and Vinyl Chloride. These compounds are passing on linear regressions, however in this case they were left on average response factor.

The ICV (File ID: VK037946.D Method 82K030810S.M) met the requirements except for Acetone.

The Continuing Calibration (File ID: VK037988.D Method 82K030810S.M) met the requirements except for Dichlorodifluoromethane, Vinyl Chloride and Trichlorofluoromethane but they were not detected in Samples.

The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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  Digitally signed by Shelly Guha
DN: cn=Shelly Guha, c=US
Date: 2010.03.23 14:50:22
-05'00'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1561

A. Number of Samples and Date of Receipt:

13 Solid samples were received on 3/10/10.

2 Water samples were received on 3/10/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, 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 E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704. The analysis of SVOC-TCL BNA -20 was based on method 8270 and extraction was done based on method 3541 and 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 (B1568-03MS) recoveries met the requirements for all compounds except for 3,3'-Dichlorobenzidine.

The MSD (B1568-04MSD) recoveries met the acceptable requirements except for 3,3'-Dichlorobenzidine.

The RPD for (B1568-04MSD) recoveries met criteria except for 3,3'-Dichlorobenzidine.

The Blank Spike (PB48202BS) met requirements for all samples except for 4-Chloroaniline but it were not detected in Samples.

The Blank analysis indicated presence of Acetophenone (1.6ug/L, File ID: BE062546.D) due to possible lab contamination.

The Blank analysis indicated presence of Dimethylphthalate (110ug/kg, File ID: BE062548.D) due to possible lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BE030910.M) for Benzaldehyde. This compound is passing on quadratic regressions, however in this case it was left on average response factor.

The ICV (File ID: BE062508.D Method 8270-BE030910.M) met the requirements except for Benzaldehyde.

* NOT
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5/27/10

The Continuing Calibration (File ID: BE062574.D Method 8270-BE030910.M) met the requirements except for Benzaldehyde but it was not detected in Samples.
The Continuing Calibration (File ID: BE062545.D Method 8270-BE030910.M) met the requirements except for 2-Nitroaniline but it was not detected in Samples.
The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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 _____  Digitally signed by Shelly Guha
DN: cn=Shelly Guha, c=US
Date: 2010.03.23 14:50:34
+05'00'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1561

A. Number of Samples and Date of Receipt:

13 Solid samples were received on 3/10/10.

2 Water samples were received on 3/10/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL and Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010B and Mercury was based on method 7470A/7471A

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 met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

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 _____

Digitally signed by Shelly
Guha
DN: cn=Shelly Guha, c=US
Date: 2010.03.23 14:50:46
+05'30'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1561

A. Number of Samples and Date of Receipt:

13 Solid samples were received on 3/10/10.

2 Water samples were received on 3/10/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10, and VOC-TCLVOA-10. This data package contains results for Cyanide.

C. Analytical Techniques:

The analysis of Cyanide was based on method 9012A

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 met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

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 _____  Digitally signed by Shelly
DN: cn=Shelly O=PA, c=US
Date: 2010.03.23 14:59:56
+0500



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1659

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 3/19/10.

2 Water samples were received on 3/19/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1, and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA K were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator. The analysis performed on instrument MSVOA G were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis performed on instrument MSVOA E were done using GC column RTX-VMS which is 60 meters, 0.25 ID, 1.40 df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.

The analysis of VOCMS Group1 was based on method 8260.

D. QA/ QC Samples:

The Holding Times were met for all analysis except for TRIPBLANK.

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 except for 1,2,4-

Trimethylbenzene, sec-Butylbenzene, p-Isopropyltoluene, 1,3,-Dichlorobenzene, 1,4-Dichlorobenzene, n-Butylbenzene, 1,2,4-Trichlorobenzene, 1,2,4,5-Tetramethylbenzene and Trichloroethene. *NOT A SITE SAMPLE KRW 5/27/10*

The MSD recoveries met the acceptable requirements except for Toluene, 1,2,4-

Trimethylbenzene, sec-Butylbenzene, p-Isopropyltoluene, 1,2,4-Trichlorobenzene, 4-Ethyltoluene, Trichloroethene and tert-Butylbenzene.

The RPD recoveries met criteria except for Toluene, 1,3,-Dichlorobenzene, 1,4-Dichlorobenzene and 1,2,3-Trichlorobenzene.

The Blank Spike met requirements for all samples.

The Blank analysis indicated presence of Methylene Chloride(2.2ug/kg, File ID:VK038151.D) due to possible lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82E030910W.M) for 1,1-Dichloroethane, 2-Butanone, cis-1,2-dichloroethene , Bromochloromethane , Benzene , Toluene , Ethylbenzene ,O-Xylene, Styrene , 1,3,5-Trimethylbenzene , sec-Butylbenzene and n-Butylbenzene . These compounds are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor.

The %RSD is greater than 15% in the Initial Calibration (Method 82G032710W.M) for Dichlorodifluoromethane , Chloroethane ,Acetone, Dibromochloromethane , 1,2-Dibromo-3-chloropropane and Hexachlorobutadiene. These compounds are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor.

The %RSD is greater than 15% in the Initial Calibration (Method 82K032210W.M) for Chloroethane 1,1-Dichloroethane, Acetone, Methylene Chloride . These compounds are passing on linear regressions and quadratic regressions, however in this case they were left on average response factor.

The Continuing Calibration (File ID:VE017487.D Method 82E030910W.M) met the requirements except for Dichlorodifluoromethane, Trichlorofluoromethane and Tetrachloroethene but they were not detected in Samples.

The Continuing Calibration (File ID:VK038169.D Method 82K032210W.M) met the requirements except for Chloroethane but it was not detected in Samples.

The Tuning criteria met requirements.

Samples DW-3 and DUP-03 were diluted due to high concentrations.

E. Additional Comments:

Please use %D calculated based on AvgRF 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.

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 Mildred V. Reyes

Mildred V. Reyes
I am approving this document
2010.04.01 14:02:44 -05'00'

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Result Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U. This is the detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the compound was analyzed for but was not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L, and a concentration of 3ug/L was calculated, report as 3 J.
B	Indicates the analyte was found in the blank as well as the sample.
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected Aldol-condensation product.



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1659

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 3/19/10.

2 Water samples were received on 3/19/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1, and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.

The analysis of SVOCMS Group1 was based on method 8270 and extraction was done based on method 3541 and 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 met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Tuning criteria met requirements.

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 _____

Mildred V. Reyes
I am approving this document
2010.04.01 14:01:34 -05'00'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1659

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 3/19/10.

2 Water samples were received on 3/19/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1, and VOCMS Group1. This data package contains results for Metals ICP-Group1 and Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-Group1 was based on method 6010B and Mercury was based on method 7470A/7471A.

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 met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements except for Chromium and Copper.

E. Additional Comments:

CCB05 is failing for Lead (time 13:26) at 9:17 ppb.

Sample DW-3 was diluted due to high concentration for Lead.

Sample DUP-03 was diluted due to high concentration for Chromium and Lead.

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 _____

Mildred V. Reyes
I am approving this document
2010.04.01 14:01:08 -05'00'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1659

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 3/19/10.

2 Water samples were received on 3/19/10.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1, and VOCMS Group1. This data package contains results for Cyanide.

C. Analytical Techniques:

The analysis of Cyanide was based on method 9012A.

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 did not meet for Cyanide due to matrix interference.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

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 Mildred V Reyes

Mildred V. Reyes
I am approving this document
2010.04.01 14:00:17 -05'00'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1773

A. Number of Samples and Date of Receipt:

14 Water samples were received on 4/2/10.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, 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 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260B.

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 BSD0407W1 met requirements for all samples except for Acetone but it was not detected in samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82D032610W.M) for Dichlorodifluoromethane. This compound is passing on linear regressions, however in this case it was left on average response factor. Bromomethane - 39.42% RSD

The Continuing Calibration (File ID:VD028729.D Method 82D032610W.M) met the requirements except for Bromomethane, Acetone and Methyl Acetate but they were not detected in samples.

The Tuning criteria met requirements.

Bromoform
21.0 % RSD
DBCP = 23.5% RSD

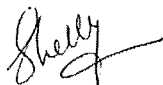
E. Additional Comments:

Please use %D calculated based on AvgRF 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

KRM
5/28/10

for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

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  Digitally signed by
Shelly Guha
DN: cn=Shelly
Guha, c=US
Date: 2010.04.16
15:39:35 -04'00'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1773

A. Number of Samples and Date of Receipt:

14 Water samples were received on 4/2/10.

B. Parameters

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

C. Analytical Techniques:

The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 μ m df, Catalog # 42704.

The analysis of SVOC-TCL BNA -20 was based on method 8270C 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 except for Benzaldehyde.

The MSD recoveries met the acceptable requirements except for Benzaldehyde.

The RPD recoveries met criteria.

The Blank Spike met requirements for all samples except for Benzaldehyde.

Benzaldehyde is not present in any of the samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 8270-BE040210.M) for 2,4-Dinitrophenol. Quadratic regression was performed for this compound and the coef of det (r^2) is greater than 0.99.

The ICV (BE063044.D Method 8270-BE040210.M) met the requirements except for Benzaldehyde.

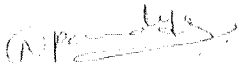
The Tuning criteria met requirements.

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.

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  Nimisha Pandya
I have reviewed this document
2010.04.15 17:06:07 -04'00'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1773

A. Number of Samples and Date of Receipt:

14 Water samples were received on 4/2/10.

B. Parameters:

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

C. Analytical Techniques:

The analysis of Dissolved ICP-TAL Metals was based on method 6010B, Dissolved Mercury was based on method 7470A, Metals ICP-TAL was based on method 6010B and Mercury was based on method 7470A

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 met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The Following Calibrations (Dated 04-06-10) are failing:
CCV05 & CCV07 are failing for Magnesium, Vanadium and Zinc.
CCV06 is failing for Calcium, Magnesium, Vanadium and Zinc.
CCV08 is failing for Magnesium, and Zinc.
The samples analyzed under this calibration were re-analyzed on Date 04-07-10 for Calcium, Magnesium, Vanadium and Zinc.

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  Digitally signed by Shelly Guha
DN: cn=Shelly Guha, c=US
Date: 2010.04.16 15:39:52
~04'00'



CASE NARRATIVE

P.W. Grosser Consulting

Project Name: Ronkonkona Wallpaper- Suffolk County

Project # N/A

Chemtech Project # B1773

A. Number of Samples and Date of Receipt:

14 Water samples were received on 4/2/10.

B. Parameters:

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

C. Analytical Techniques:

The analysis of Cyanide was based on method 9012A

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 met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

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 _____

Digitally signed by

Shelly Guha

DN: cn=Shelly

Guha, c=US

Date: 2010.04.15

17:01:10 -04'00'

ATTACHMENT C

**DATA VALIDATION REPORT
SDG Nos. B1546, B1561, B1659, and B1773
Volatiles, Semivolatiles, Total and Dissolved Metals
and Cyanide in Water and Soil Samples**

DATA VALIDATION
FOR
FORMER RONKONKOMA WALL PAPER SITE
RONKONKOMA, NEW YORK

March and April 2010 Sampling Round

ANALYSIS DATA
Volatiles, Semivolatiles, Total and Dissolved Metals
and Cyanide in Water and Soil Samples

Sample Delivery Group (SDG) Nos.
B1546, B1561, B1659 and B1773

Chemical Analyses Performed By:

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

For:

Zeb Youngman
P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia, NY 11716

Data Validation Report By:

Kim B. Watson
Stone Environmental, Inc.
535 Stone Cutters Way
Montpelier, VT 05602

June 2, 2010

Reference #082074-F Phase VI
Validation Report_B1546_B1561_B1659_B1773/kbw

EXECUTIVE SUMMARY

Stone Environmental, Inc. (Stone) has completed third-party data validation on the organic and inorganic analyses for volatile organic (VOA), semivolatile organic (SVOA), metals (total and dissolved) and cyanide analyses in soil and water samples as prepared by CHEMTECH in Mountainside, NJ from the Former Ronkonkoma Wall Paper Site in Ronkonkoma, New York. The laboratory reported the data under Sample Delivery Group (SDG) Nos. B1546, B1561, B1659 and B1773 that were submitted as four data packages received by Stone on April 26, 2010 with amendments received on May 27, 2010. As required by the Project plan, approximately 5% of the samples, or one sample from each SDG, whichever is greater, were considered for validation. The samples below were selected for validation as follows:

SDG No.	Sample No.	Laboratory ID	Parameter
B1546	SS-9(0-2")	B1546-11	VOA, SVOA, Metals, Cyanide
B1659	DW-3	B1659-01	VOA, SVOA, Metals, Cyanide
B1561	SB-4(18-20)	B1561-04	VOA, SVOA, Metals, Cyanide
B1773	MW-4	B1773-04	VOA, SVOA, Metals (total/dissolved), Cyanide

The samples in this data set represent the sample collections from March 8, 9, 18 and April 1, 2010.

The validation effort resulted in the following qualifications of sample results:

- All compounds in all low-level SVOA samples in SDG No. 1546 were qualified as estimated (J, UJ). Therefore, based on the low IS response all compounds using these IS standards for quantitation warrant qualification as estimated. However, since this sample was previously qualified as estimated based on holding time, no additional qualification was applied.
- The result for mercury in DW-3 was qualified as estimated (J) bias high.
- The following results were qualified as estimated (J, UJ):
 - o Results for dichlorodifluoromethane in SS-9(0-2) and SB-4(18-20).
 - o Results for chloromethane, vinyl chloride, bromomethane, chloroethane, trichlorofluoromethane, 1,1-dichloroethene, cyclohexane, 1,1,2-trichlorotrifluoroethane in SS-9(0-2).

- o Results for vinyl chloride and trichloromethane in SB-4(18-20).
 - o Results for benzaldehyde in SB-4(18-20) and SS-9(0-2)RE.
 - o Results for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and pentachlorophenol in SB-4(18-20) and SS-9(0-2).
 - o Results for 2,4-dinitrophenol in SS-9(0-2)RE and MW-4.
 - o The result for acetone in DW-3.
 - o Results for bromomethane, bromoform, 1,2-dibromo-3-chloropropane and acetone in MW-4.
 - o Results for toluene, ethylbenzene, isopropyltoluene, naphthalene, total xylene, n-propylbenzene, and 1,2,4-trimethylbenzene in DW-3 and Dup 03 were qualified as estimated (J, UJ).
 - o The result for manganese SB-4(18-20).
 - o The result for bis(2-ethylhexyl)phthalate in SS-9(0-2).
- Results for dimethylphthalate in all soil samples reported at concentrations less than the reporting limit (RL) were qualified as non-detect at less than the reporting limit (U).
- Only results reported below the CRQL (J) for arsenic, barium, cadmium, chromium, calcium, lead, magnesium, selenium, sodium and thallium detected below the CRQL in soil samples SS-9 (0-2), SB-4(18-20), DW-3 and in the water sample MW-4 were qualified as less than the CRQL (U).
- Results for n-butylbenzene, 1,2,4-trichlorobenzene, 1,2,4,5-tetramethylbenzene and 1,2,3-trichlorobenzene in DW-3 were qualified as estimated (J, UJ).
- The result for 4-chloroaniline in SB-4(18-20) was qualified as estimated (UJ).
- The result for benzaldehyde in MW-4 was rejected (R).
- Results for isopropyltoluene, chromium and lead in sample DW-3 low level analysis were rejected (R).
- Results from the dilution analyses that did not replace results in the more concentrated analyses were dropped from consideration or rejected (R) in sample DW-3DL.
- Results for the TICs in all soil and water samples in which they were detected at RTs 1.75/1.96, 3.19/3.42, 9.74, 10.82, 12.02, 12.59 and 13.93 were rejected (R).

Although, not observed in the associated MB, the validator recommends caution in the use of the compound bis(2-ethylhexyl)phthalate in the medium level SVOA soil sample for SS-9 (0-2) since this compound is a common laboratory contaminant and may have been artificial introduced into the sample since it was not detected in the low level analyses.

Stone Environmental, Inc.
June 2, 2010

SDG Nos. B1546, B1561, B1659, and B1773

The validator recommends caution in the use of specific compound names reported by the laboratory for tentatively identified compounds in these samples, and recommends the use of more general classifications such as "unknown alkane" and/or "unknown benzene" since the identification of specific compounds were not supported with standard analyses.

"J" qualifiers were appropriately applied to the TICs reported in the associated samples. The validator did not remove this qualifier.

The Overall Evaluation of Data (Section XIII) presents the rationale for the decisions that have been implemented and are summarized above. The validation findings and conclusions for each analytical parameter are detailed in the remaining sections of this report and are based on the following information.

QC Criteria	Were acceptance criteria met for Contaminants of Concern?		
	Yes	No	NA
Chain of custody (COC)/sample integrity	√		
Data completeness	√		
Holding times and sample preservation		√	
GC/MS performance checks	√		
Calibrations		√	
CRQL Standards (metals only)		√	
Laboratory method blanks/equipment blanks		√	
ICP Interference Check Sample (metals only)	√		
Matrix spike/matrix spike duplicate (MS/MSD) results		√	
Post Digestion Spike (metals only)			√
Laboratory control samples and blank spikes		√	
Field duplicate results		√	
ICP Serial Dilution	√		
Surrogate recoveries	√		
Internal standard results		√	
Compound identification	√		
Sample results	√		
% solids	√		
Calculations/transcriptions		√	
Note: Incorrect quantitation limits were reported in the SDG No. B1546 for metals, resubmissions were received on 5/27/10			
NA - <i>Not applicable</i> indicates that either the QC is not applicable to this data set or not required by the method.			

Documentation problems observed in the data package and on the chain of custody records are described in Section XIV.

This validation report shall be considered part of the data package for all future distributions of the volatiles, semivolatiles, metals and cyanide analysis data.

INTRODUCTION

Analyses of water and soil samples were performed according to US EPA SW846 Methodologies: Method 8260 GC/MS analyses for Volatiles (soil preparation modified 5035 or otherwise known as 5030), Method 8270C GC/MS analyses for semivolatiles, (extractions: 3510C water separatory funnel extraction/3541 automated soxhlet soil-extraction), and 6010B/7471A/7470A for metals/mercury and method 9010/9012 for cyanide. The target compound lists included all standard target analytes typically specified under the US EPA Contract Laboratory Program (CLP) and that which are specified by the Suffolk County Department of Health Services (SCDHS) Office of Pollution Control.

In some cases, tentative identification of up to 30 non-target analyte peaks (i.e., tentatively identified compounds, or TICs) was requested for certain analyses in this data set and are reported on the Form Is.

To the extent possible, Stone's validation was performed in conformance with Tier III guidelines as defined by EPA Region I, "Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses", March 1996. The data were evaluated in accordance with EPA Region II's Standard Operating Procedures (SOPs) from the EPA Hazardous Waste Support Branch: SOP#HW-24 "SOP for the Validation of Organic Data Acquired Using SW-846 Method 8260" (Rev2, Dec 1996), SOP#HW-22 "Validating Semivolatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8270D", "Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO5.3" (SOP Revision 13). EPA's "National Functional Guidelines for Organic Data Review" (EPA 540/R-99/008, 10/99) and EPA's "National Functional Guidelines for Inorganic Data Review" (EPA 540-R-04-004, October 2004) were also considered during the evaluation, and professional judgment was applied as necessary and appropriate.

As specified in the workplan, an independent third party data validation was performed on 5% of the sample data or on one sample from each sample delivery group (SDG). The Tier III validation effectively was used to complete the data usability evaluation for data collected during the remediation investigation. The data usability summary report (DUSR) was prepared based on findings in this validation report and extrapolated to all deliverables.

The data validation process evaluates data on a technical basis for chemical analyses conducted under the CLP or other well-defined methods. Contract compliance is evaluated only in specific situations. Issues pertaining to contractual compliance are noted where applicable. It is assumed that the data package is presented in accordance with the CLP requirements. It is also assumed that the data package represents the best efforts of the laboratory and has already been subjected to adequate and sufficient quality review prior to submission for validation.

Results of sample analyses are reported by the laboratory as either qualified or unqualified; various qualifier codes are used by the laboratory to denote specific information regarding the analytical results. During the validation process, laboratory data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data validator as necessary and appropriate. Raw data is examined in detail to check calculations, compound identification, and/or transcription errors in reference to samples in the Executive Summary only. Validated results are either qualified or unqualified; if results are unqualified, this means that the reported values may be used without reservation. Final validated results are annotated with the following codes, as defined in EPA Region II Standard Operating Procedures:

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated numerical value is the sample quantitation limit. The sample quantitation limit accounts for sample-specific dilution factors and percent solids corrections or sample sizes that deviate from those required by the method.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. The R replaces the numerical value or sample quantitation limit. In some instances (e.g., a dilution) a result may be indicated as "rejected" to avoid confusion when a more quantitatively accurate result is available.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

JN - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

These codes are recorded in the Analysis Data Sheets (Form I) in Attachment A of this validation report to indicate qualifications placed on the data as a result of the validation effort.

All data users should note two facts. First, the "R" qualifier means that the laboratory-reported value is completely unusable. The analysis is invalid due to significant quality control problems and provides no information as to whether the compound is present or not. Rejected values should not appear on data tables because they have no useful purpose under any circumstances. Second, no analyte concentration is guaranteed to be accurate even if all associated quality control is acceptable. While strict quality control conformance provides well-defined confidence in the reported results, any analytical result will always contain some uncertainty as demonstrated in the laboratory-derived control limits.

Stone Environmental, Inc.
June 2, 2010

SDG Nos. B1546, B1561, B1659, and B1773

The user is also cautioned that the validation effort is based on the materials provided by the laboratory. Software manipulation, resulting in misleading raw data printouts, cannot be routinely detected during validation; unless otherwise stated in the report, these kinds of issues are outside the scope of this review.

Detailed Findings of Measurement Error Associated with the Analytical Analysis

I. Preservation and Technical Holding Times (Sample Integrity)

The soil and water samples for these analyses were collected March 8, 9, 18 and April 1, 2010. According to chain of custody records and laboratory records, all samples were appropriately preserved in the field prior to collection. All holding times for analysis were met for all samples with the exception of the semivolatile samples re-extracted and reanalyzed in SDG No. B1546. Upon request by the client all SVOA samples in SDG No. B1546 were re-extracted (23 days after collection) using a larger sample volume in order to meet a lower reporting and/or detection limit. Based on samples extracted outside the prescribed holding times, all compounds in all low-level SVOA samples in SDG No. 1546 were qualified as estimated (J, UJ).

The temperatures of the coolers upon receipt at the laboratory were recorded on the chain-of-custody (COC) records and were acceptable ($4\pm 2^{\circ}\text{C}$).

According to the case narrative, soil samples were prepared using Method 5035; however, these samples were not collected or prepared in methanol or using a sampling device as described in the SW846 methodology. Rather, they were collected in vials and prepared in accordance with method 5030. For future sampling efforts it is recommended that these samples be collected in methanol or an appropriate sampling container and prepared as stated in Method 5035.

II. GC/MS Instrument Performance Check (Tuning) and Calibration Verification

The tuning of the instruments for VOA analyses was demonstrated with the analysis of 4-bromofluorobenzene (BFB), the tuning of the instruments for SVOA analyses was demonstrated with analysis of decafluorotriphenylphosphine (DFTPP); tunes were analyzed for each shift (12-hour period) during which the samples or associated standards were analyzed. All tunes, as recorded on Form V-like summaries in this data set, were acceptable.

Initial and continuing calibration verification (ICV/CCV) standards were run at the required frequencies in the ICP/CV analysis series for all target elements. Results for all ICV/CCV standards bracketing samples were correctly reported on the summary forms and recoveries of all target analytes were within the applicable acceptance limits. The reported correlation coefficient of the initial calibration for the mercury analysis was greater than the minimum acceptance limit of 0.995.

Contract required quantitation limit (CRQL) or reporting limits (RL) standards as specified in the EPA Inorganic (ILM) Statement of Work were analyzed at the required frequencies for selected metals and concentrations for all applicable analytes on the ICP analyzers. Percent recoveries were accurately reported and were acceptable with the exception of mercury (160%) in SDG No. B1659. Based on the elevated %R in the CRQL standard, the result for mercury in DW-3 was qualified as estimated (J) bias high.

Initial calibrations and continuing calibration verifications were performed for all organic

analyses and were acceptable with the following exceptions:

Analysis Date	Analysis Time	Compound	%RSD % D/ Min Ave. RRF	Action	Associated Samples
03/08/2010	IC MSVOAK	dichlorodifluoromethane	30.54	UJ	SS-9(0-2) SB-4(18-20)
03/09/2010 VK037965	1204	dichlorodifluoromethane	-59.7	UJ	SS-9(0-2)
		chloromethane	-25.1	UJ	
		vinyl chloride	-31.3	UJ	
		Bromomethane	-25.9	UJ	
		chloroethane	-23.7	UJ	
		trichlorofluoromethane	-34.7	UJ	
		1,1-dichloroethene	-22.2	UJ	
		cyclohexane	-25.3	UJ	
		1,1,2-trichlorotrifluoroethane	-29.0	UJ	
03/10/2010 VK037988	1006	dichlorodifluoromethane	-51.5	UJ	SB-4(18-20)
		vinyl chloride	-22.7	UJ	
		trichlorofluoromethane	-30.7	UJ	
03/09/2010	IC	2,4-dinitrophenol	35.3	UJ	SS-9(0-2), SB-4(18-20)
BNAE		4,6-dinitro-2-methylphenol	29.7	UJ	
		Pentachlorophenol	22.8	UJ	
03/12/10 BE062574	0535	Benzaldehyde	-21.7	UJ	SB-4(18-20)
3/29/2010	IC	Benzaldehyde	29.5	UJ	SS-9(0-2)RE
		2,4-dinitrophenol	34.0	UJ	
03/09/2010	IC MSVOAE	dichlorodifluoromethane	21.3	UJ	DW-3DL
VE017368		1,2-dichloropropane	-21.5	UJ	
		4-methyl-2-pentanone	21.4	UJ	
		2-hexanone	26.7	UJ	
		m/p-xylene	22.5	UJ	
		n-propylbenzene	23.7	UJ	
		2-chlorotoluene	20.7	UJ	
		Hexachlorobutadiene	25.7	UJ	
3/22/10	IC MSVOAK	Acetone	22.4	UJ	DW-3
3/23/10 VE017487	1039	Dichlorodifluoromethane	-23.3	UJ	DW-3DL
		Trichlorofluoromethane	-39.2	UJ	
		Methyl acetate	26.7	UJ	
		Tetrachloroethene	34.2	UJ	
03/26/10	IC MSVOAD	Bromomethane	39.4	UJ	MW-4
VD028543		Bromoform	21.0	UJ	
		1,2-dibromo-3-chloropropane	23.5	UJ	
04/05/10	1102	Acetone	-20.0	None	MW-4
VD028699		Bromoform	-25.3	UJ	
		1,2-dibromo-3-chloropropane	-21.4	UJ	
4/5/10 BE063043	IC	2,4-dinitrophenol	22.9	UJ	MW-4

Initial Calibration (IC) limits = $\leq 20\%$ RSD or < 0.995 , minimum RRF (0.05), Continuing Calibration (CC) limits = 20% D.

It should be noted that negative % difference values will result in a low bias for positive detects, and a positive % difference will result in a high bias for positive detects.

Based on unacceptable %RSD or %D values in the associated calibration standards, the following results were qualified as estimated (J, UJ):

- Results for dichlorodifluoromethane in SS-9(0-2) and SB-4(18-20).
- Results for chloromethane, vinyl chloride, bromomethane, chloroethane, trichlorofluoromethane, 1,1-dichloroethene, cyclohexane, 1,1,2-trichlorotrifluoroethane in SS-9(0-2).
- Results for vinyl chloride and trichlorofluoromethane in SB-4(18-20).
- Results for benzaldehyde in SB-4(18-20) and SS-9(0-2)RE.
- Results for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and pentachlorophenol in SB-4(18-20) and SS-9(0-2).
- Results for 2,4-dinitrophenol in SS-9(0-2)RE and MW-4.
- The result for acetone in DW-3.
- Results for bromomethane, bromoform, 1,2-dibromo-3-chloropropane and acetone in MW-4.

III. Blanks: Laboratory, Preparation and Method Blanks, and Trip Blanks

Preparation blanks and/or laboratory method blanks (MB) were prepared with each preparation batch and were acceptable with exceptions as noted below.

No target analytes were detected in any of the VOA and SVOA method blanks with the exceptions of: dimethylphthalate in both SVOA soil extraction blanks from 3/10/10 (86 ppb), 3/11/10 (110ppb) and 3/31/10 (170 ppb), acetophenone (1.6 ug/l) in the SVOA water extraction blank from 3/11/10, and some miscellaneous tentatively identified compounds (TICs) in all extraction blanks. In addition, methylene chloride (2.2ug/l) was detected in the VOA MB from 3/22/10. Discussion of TICs and qualification based on TICs is discussed in Section XI of this report. Based on laboratory contamination, results for dimethylphthalate in all soil samples reported at concentrations less than the reporting limit (RL) were qualified as non-detect at less than the reporting limit (U).

Although, not observed in the associated MB, the validator recommends caution in the use of the compound bis(2-ethylhexyl)phthalate in the medium level SVOA soil sample for SS-9 (0-2) since this compound is a common laboratory contaminant and may have been artificially introduced into the sample since it was not detected in the low level analyses.

The initial and continuing blanks for the metals analyses detected trace amounts of the target elements in all SDGs (< reporting limit for aluminum [7.3-45.3 ug/l], arsenic [4.3 ug/l], barium [7.3ug/l], cadmium [0.9-2.0 ug/l], chromium (1.2 ug/L), calcium [40.2-53.0ug/l], lead [4.0-4.5ug/l], magnesium [40.6-62.9ug/l], , manganese [2.0-2.3ug/l], mercury [0.09-0.11 ug/l], selenium [5.2ug/l], sodium [15.0-868.9 ug/l], and thallium [2.5-9.9ug/l]) and target elements below the negative reporting limit (barium [-4.5 to -7.7 ug/l], chromium [-1.2 to -1.3 ug/l], mercury [0.10 to -0.13]), mercury. Lead (9.2 ug/l) was detected in a calibration blank above the CRQL in SDG No. B1659. Based on laboratory blank contamination, only results reported below the CRQL (J) for arsenic, barium, cadmium, chromium calcium, lead, magnesium, selenium, sodium and thallium in soil samples SS-9 (0-2), SB-4(18-20), DW-3 and in the water sample MW-4 were qualified as less than the CRQL (U). Preparation blanks were reported with each preparation batch of twenty samples. No target compounds were detected in the Preparation blanks.

Trip blanks (TBs) were submitted with each set of samples in this data set (per SDG). No target analytes were detected in the TBs.

Field blanks (FBs) were submitted with the samples in the data set. No target analytes were detected in the FBs with the exception of acetone (5.2 ug/L) in FB (3-18-10) of the some TICs. Discussion of TICs and qualification based on TICs is discussed in Section XI of this report. Lead (6.32 ug/L) was detected in the FB (3-18-10). Since results in these soil samples and the water samples were greater than the action level in the associated field blank, no data were qualified on this basis.

IV. Surrogate Compounds

Percent recoveries of the VOA surrogates (1,2-dichloroethane-d4, 4-bromofluorobenzene, dibromofluoromethane, toluene-d8) were correctly reported on the Form II summaries and within acceptance limits for the samples in these data sets

Percent recoveries of the SVOA surrogates (nitrobenzene-d5, 2-fluorobiphenyl, p-terphenyl-d14, 1,2-dichlorobenzene-d4, 2,4,6-tribromophenol, 2-chlorophenol-d4, 2-fluorobiphenyl, phenol-d6,) were correctly reported on the Form I summaries and within acceptance limits for the samples in these data sets.

V. Internal Standards (IS)

All IS areas and retention times (RT), as reported on the Form VIII summaries, were within the established QC limits for all reported sample analyses in these data packages with the following exceptions:

- The low level SVOA analysis of SS-4(0-2") exhibited low IS responses for the IS standards; 1,4-dichlorobenzene-d4, naphthalene-d8 and acenaphthene-d10.

This sample was not reanalyzed by the client but was noted to have matrix interferences. Therefore, based on the low IS response all compounds using these IS standards for quantitation warrant qualification as estimated. However, since this sample was previously qualified as estimated based on holding time, no additional qualification was applied.

VI. Matrix Spike/Matrix Spike Duplicate/Laboratory Duplicate (MS/MSD/Dup)

Samples for matrix spikes (MS), matrix spike duplicates (MSD), and duplicate analyses were collected and analyzed from SS-3(0-2"), DW-3, SB-6(18-20) and MW-1 for VOA, SVOA, metals and cyanide analyses. The following table lists the compounds that did not meet acceptance criteria for the MS/MSD Recovery (R) or relative percent differences (RPD) between pair results and explains the action taken for the results from the unspiked sample.

Sample ID	Compound	MS%R	MSD %R	DUP% RPD	Post Digestion %R	QC Limits	Action
SS-3(0-2")	Dichlorodifluoromethane	159	166	4	na	42-151	NAC
	Methyl acetate	321	339	5	na	16-205	NAC
SS-3(0-2") Med	Bis(2-ethylhexyl)phthalate	-200	-200	0	na	39-159	UJ
SS-3(0-2")	Benzaldehyde	9	25	94	na	10-161/20	UJ
	caprolactum	41	89	74	na	24-145/20	UJ
	2,4-dinitrophenol	24	41	52	na	10-177/20	UJ
	4,6-dinitro-2-methylphenol	37	46	22	na	10-153/20	UJ
	3,3-dichlorobenzidine	24	44	59	na	10-126/20	UJ
SS-3(0-2")	Aluminum	14.9	59.5	1.5	na		NAC, spike<4X conc.
	Barium	-134.0	74.0	2.9	na		NAC, spike<4X conc.
	Iron	32.5	48.1	0.7	na		NAC, spike<4X conc.
	Zinc	3.6	27.3	1.0	na		NAC, spike<4X conc.
DW-3	1,2,4-trimethylbenzene	207	198	4	na	54-137/20	NAC
	Sec-butylbenzene	164	155	6	na	45-154/20	NAC
	p-isopropyltoluene	4828	4310	11	na	53-144/20	NAC, spike<4X

Sample ID	Compound	MS%R	MSD %R	DUP% RPD	Post Digestion %R	QC Limits	Action
							conc.
	1,3-dichlorobenzene	59	112	62	na	70-125/20	NAC
	1,4-dichlorobenzene	58	112	64	na	69-124/20	NAC
	n-butylbenzene	48	52	8	na	49-138/20	J
	1,2,4-trichlorobenzene	39	41	5	na	53-137/20	J
	1,2,4,5-tetramethylbenzene	68	70	3	na	70-130/20	J
	toluene	103	129	22	na	67-127/20	NAC
	1,2,3-trichlorobenzene	39	43	23	na	31-136/20	J
DW-3	Chromium	-328	-231	0.6	na	75-125/20	>4Xspike, none
	Lead	266	264	1.9	na	75-125/20	>4Xspike, none
	Cyanide	143	139	0.97	na	80-120	J
MW-1	Benzaldehyde	7	5	33	na	10-160	R

NA=Not Applicable, NAC=No Action *sample concentration greater than 4X the spike concentration; therefore, no action. Est. = Estimate (J, UJ) associated sample.

For organic analyses, action is only taken on the parent sample SS-3(0-2"), since this sample was not evaluated in the validation effort; no data was qualified on this basis.

Based on the recovery and/or relative percent difference outside the acceptance limits in the MS/MSD analysis, results for n-butylbenzene, 1,2,4-trichlorobenzene, 1,2,4,5-tetramethylbenzene and 1,2,3-trichlorobenzene in DW-3 were qualified as estimated (J, UJ).

Samples identified as GE-MW-581D, and MW-103 (SDGB1561) were reported for VOA MS/MSD pair in water and FKBPMBUCKA74A7 for cyanide... Since these samples were not associated with these site samples, the data were not considered for evaluation.

VII. Field Duplicate Precision

Samples DUP-01, DUP-02, DUP-03 and DUP-4 were identified as field duplicates of SS-9(0-2"), SB-4(18-20'), DW-3, and MW-4, respectively. If target compounds were non-detect in the field duplicate pair, then no assessment of precision could be made. Unless noted below, paired results were acceptable and no qualification of data was required.

Sample Name	Compound	Sample Conc.	Duplicate Conc.	RPD	Diff.	Q	RL (ug/kg, mg/kg)
SS-9(0-2)	Bis(2-ethylhexyl)phthalate	1900	ND	NA	1540	J, UJ	360
SB-4 (18-20)	Manganese	5.3	11.7	75	6.4	J, UJ	1.0
DW-3	Toluene	100	250	86	150	J	12
DW-3	Ethylbenzene	20	4.1	132	16	J	12

Sample Name	Compound	Sample Conc.	Duplicate Conc.	RPD	Diff.	Q	RL (ug/kg, mg/kg)
DW-3	Isopropyltoluene	34000	21000	47	13000	J	12
DW-3	Naphthalene	19	66	111	47	J	12
DW-3	Total xylene	11.6	58	133	46	J	12
DW-3	n-propylbenzene	ND	24	NA	12	J, UJ	12
DW-3	1,2,4-trimethylbenzene	ND	230	NA	218	J,UJ	12
DW-3	1,2-dichlorobenzene	ND	13	NA	1	None	12
DW-3	1,2,4,5-tetramethylbenzene	ND	29	NA	17	None	12
DW-3	p-ethyltoluene	ND	68	NA	56	None	12

Limits: Sample and Duplicate >QL, >35%RPD (from SOP HW02), +/-4XQL for sample values less than five times the QL

Based on poor reproducibility in the field duplicate pairs, the following results were qualified as estimated (J, UJ):

- Results for toluene, ethylbenzene, isopropyltoluene, naphthalene, total xylene, n-propylbenzene, and 1,2,4-trimethylbenzene in DW-3 and Dup 03 were qualified as estimated (J, UJ).
- The result for manganese SB-4(18-20).
- The result for bis(2-ethylhexyl)phthalate in SS-9(0-2).

VIII. Performance Evaluation Samples (PES)/Accuracy Check

Zero blank PE samples, commonly known as laboratory control samples or blank spikes (ASP specification), and their duplicates were analyzed at the required frequency and results were provided on Form III-like summaries for all analyses. Recoveries were within the laboratory-derived acceptance limits with exceptions as outlined in the table below:

Sample No.	Compound	LCS %R	LCSD%R	RPD	QC Limits	Action	Associated Samples
BSE0310W1/2	Methylene chloride	105	48	75	61-138/20	NAC-qc samples	Trip Blank, Field Blank 3-9-10
PB48202BS	4-chloroaniline	19	NA	NA	25-115	UJ	SB-4(18-20)
BSD0407W1	Acetone	160	NA	NA	50-149	NAC	MW-5, non-detect
PB48487BS	Benzaldehyde	8	NA	NA	10-161	R	MW-4

NA=Not Applicable, NAC=No Action, Est. = J, UJ

Based on low recovery in the blank spike, the result for 4-chloroaniline in SB-4(18-20) was qualified as estimated (UJ).

Based on the recovery in the blank spike at <10%, the result for benzaldehyde in MW-4 was rejected (R).

ICP serial dilutions were performed on the same samples as the MS/MSD pairs. Percent difference (%D) values were less than the maximum acceptance limit of 15% for all target analytes in which the original concentration (in the undiluted sample) was greater than 50 times the MDL.

IX. Target Compound Identification

Reported target compounds were correctly identified with supporting spectra present for all field samples in this data set.

X. Compound Quantitation and Reported Quantitation Limits

Target compound concentrations and quantitation limits were appropriately reported on the Form I with the exception of the metals results in SDG No. B1546. Results for all compounds in all analyses were reported to the reporting limit, quantitation limit (QL), or (RQL; however, the metals results in SDG No. 1546 were reported ten times less than the CRQL and as a result revised Form Is were requested and submitted by the laboratory on May 27, 2010.

For both the inorganic and organic analyses, the laboratory appropriately applied "J" qualifiers to the sample Form Is when the concentration of an analyte was less than the sample-specific RL but greater than the reported method detection limit. The validator did not remove these qualifiers.

In sample DW-3 results for isopropyltoluene, chromium and lead were detected outside the calibration range of the instrument. As a result, DW-3 was analyzed at a subsequent dilution in order to quantify target analytes within the calibration range. Results for isopropyltoluene, chromium and lead in DW-3 low level analyses were rejected (R). In these instances, results from the more concentrated analyses have been replaced with the appropriate concentrations from the dilution analyses.

The laboratory appropriately applied the "E" (only in VOA analysis) and "D" qualifiers to the sample results. In the inorganic analysis a qualifier "OR=over range" was applied to the lead result but not the chromium. These qualifiers have been removed by the validator.

Results from the dilution analyses that did not replace results in the more concentrated analyses were dropped from consideration or rejected (R) unless otherwise noted in sample DW-3DL.

Sample-specific results for all analytes may be found on the laboratory-generated Form Is

for each sample, and the laboratory generated Form Is have been annotated with the data validation qualifiers as defined in this report and provided in Attachment A.

Dissolved metals analysis was performed on the water sample in SDG No. B1773. Comparisons were made of the total and dissolved results that were above the CRQL. The validated dissolved concentrations were at or marginally below the validated total concentrations in all cases.

XI. Tentatively Identified Compounds (TICs)

Library searches were performed as required for certain samples in these data sets. The validator recommends caution in the use of specific compound names reported by the laboratory for tentatively identified compounds in these samples, and recommends the use of more general classifications such as "unknown alkane" and/or "unknown benzene" since the identification of specific compounds were not supported with standard analyses.

"J" qualifiers were appropriately applied to the TICs reported in the associated samples. The validator did not remove these qualifiers.

TICs, 2-methoxy-2 methyl butane at the approximate retention times (RT) of 1.75 and 1.96 and 4-hydroxy-4-methyl-2-pentanone at RT 3.19/3.42 (adol condensation product) were found in the method blanks and field blanks samples in these data sets. Other TICs identified at approximate RTs of 9.74, 12.02, 12.59 and 13.93 minutes were identified in the MB on 3/11/10. Based on laboratory contamination, results for the TICs in all soil and water samples in which they were detected at RTs 1.75/1.96, 3.19/3.42, 9.74, 10.82, 12.02, 12.59 and 13.93 were rejected (R).

The Form I-TIC for each sample as reported by the laboratory was provided on the Form I for each sample, and is included in Attachment A.

XII. System Performance

The analytical systems appear to have been working well at the time of these analyses based on evaluation of the available raw data.

Method detection limit studies (MDLs) for metals; P4 (1/15/2009) and mercury (1/15/2009) were performed and reported on the Form 9 provided within the data packages. Although, these studies were performed within the last year, they are up for renewal. MDL studies were not requested for the organic analyses since the laboratory reports results to the low standard within the calibration curve as required by the SW846 methodology.

The laboratory reports results to the CRQL or (RL) on the Form Is; however if an element is detected above the MDL the laboratory appropriately reports that result on the Form I with a "J" qualifier.

The data packages appropriately provided (P4-1/15/2010) ICP-AES Inter-element Correction Factors [ICF] (Form 10A and B) and the (P4; 1/15/2010) ICP-AES Linear Ranges (Form 11) documentation.

XIII. Overall Evaluation of Data

Findings of the validation effort resulted in the following qualifications of sample results:

- Based on samples extracted outside the prescribed holding times, all compounds in all low-level SVOA samples in SDG No. 1546 were qualified as estimated (J, UJ). Therefore, based on the low IS response all compounds using these IS standards for quantitation warrant qualification as estimated. However, since this sample was previously qualified as estimated based on holding time, no additional qualification was applied.
- Based on the elevated %R in the CRQL standard, the result for mercury in DW-3 was qualified as estimated (J) bias high.
- Based on unacceptable %RSD or %D values in the associated calibration standards, the following results were qualified as estimated (J, UJ):
 - o Results for dichlorodifluoromethane in SS-9(0-2) and SB-4(18-20).
 - o Results for chloromethane, vinyl chloride, bromomethane, chloroethane, trichlorofluoromethane, 1,1-dichloroethene, cyclohexane, 1,1,2-trichlorotrifluoroethane in SS-9(0-2).
 - o Results for vinyl chloride and trichlorofluoromethane in SB-4(18-20).
 - o Results for benzaldehyde in SB-4(18-20) and SS-9(0-2)RE.
 - o Results for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and pentachlorophenol in SB-4(18-20) and SS-9(0-2).
 - o Results for 2,4-dinitrophenol in SS-9(0-2)RE and MW-4.
 - o The result for acetone in DW-3.
 - o Results for bromomethane, bromoform, 1,2-dibromo-3-chloropropane and acetone in MW-4.
- Based on laboratory contamination, results for dimethylphthalate in all soil samples reported at concentrations less than the reporting limit (RL) were qualified as non-detect at less than the reporting limit (U).
- Based on laboratory blank contamination, only results reported below the CRQL (J) for arsenic, barium, cadmium, chromium, calcium, lead, magnesium, selenium, sodium and thallium detected below the reporting limit in soil samples SS-9 (0-2), SB-4(18-20), DW-3 and in the water sample MW-4 were qualified as less than the CRQL or RL (U).

- Based on the recovery and/or relative percent difference outside the acceptance limits in the MS/MSD analysis, results for n-butylbenzene, 1,2,4-trichlorobenzene, 1,2,4,5-tetramethylbenzene and 1,2,3-trichlorobenzene in DW-3 were qualified as estimated (J, UJ).
- Based on poor reproducibility in the field duplicate pairs, the following results were qualified as estimated (J, UJ):
 - o Results for toluene, ethylbenzene, isopropyltoluene, naphthalene, total xylene, n-propylbenzene, and 1,2,4-trimethylbenzene in DW-3 and Dup 03 were qualified as estimated (J, UJ).
 - o The result for manganese SB-4(18-20).
 - o The result for bis(2-ethylhexyl)phthalate in SS-9(0-2).
- Based on low recovery in the blank spike, the result for 4-chloroaniline in SB-4(18-20) was qualified as estimated (UJ).
- Based on the recovery in the blank spike at <10%, the result for benzaldehyde in MW-4 was rejected (R).
- Results for isopropyltoluene, chromium and lead in sample DW-3 low level analysis were rejected (R) due to the detection of these compounds outside the linear range of the instrument.
- Results from the dilution analyses that did not replace results in the more concentrated analyses were dropped from consideration or rejected (R) in sample DW-3DL.
- Based on laboratory contamination, results for the TICs in all soil and water samples in which they were detected at RTs 1.75/1.96, 3.19/3.42, 9.74, 10.82, 12.02, 12.59 and 13.93 were rejected (R).

Although, not observed in the associated MB, the validator recommends caution in the use of the compound bis(2-ethylhexyl)phthalate in the medium level SVOA soil sample for SS-9 (0-2) since this compound is a common laboratory contaminant and may have been artificially introduced into the sample since it was not detected in the low level analyses.

The validator recommends caution in the use of specific compound names reported by the laboratory for tentatively identified compounds in these samples, and recommends the use of more general classifications such as "unknown alkane" and/or "unknown benzene" since the identification of specific compounds were not supported with standard analyses.

XIV. Documentation

The chain of custody records were present and accurately completed for all reported samples in this data set, and the data package was complete with the following exceptions:

- According to the case narrative and NYS summary forms, soil samples were prepared using Method 5035. However, these samples were not collected or prepared in methanol or using an appropriate sampling device and prepared at the laboratory within 48 hours. Rather, they were collected in vials and prepared in accordance with Method 5030. For future sampling efforts, it is recommended that these samples be collected in methanol or in appropriate sampling containers as stated in Method 5035 to ensure that the soil samples will be less susceptible to VOA losses during sampling and analysis.
- Reporting limits for metals results in SDG No. 1546 were reported incorrectly, as a result revised Form Is were requested and submitted by the laboratory on May 27, 2010.
- Results have been reported in many different types of forms and summaries. For example, the laboratory has submitted a sample summary which is a summary of all the results with calculated total values for SVOCs. Validation qualifications were only made to the actual Form Is within the individual SDG set of results and not to the various summary forms and formats.

This validation report shall be considered part of the data package for all future distributions of the volatiles, semivolatiles, metals and cyanide analysis data.

ATTACHMENT A

**ANALYSIS DATA SUMMARY SHEETS (Form I)
SDG Nos. B1546, B1561, B1659, and B1773
Volatiles, Semivolatiles, Total and Dissolved Metals
and Cyanide in Water and Soil Samples**

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037981.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 8 Date Analyzed: 03/09/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.4	U J
74-87-3	Chloromethane	5.4	U J
75-01-4	Vinyl Chloride	5.4	U J
74-83-9	Bromomethane	5.4	U J
75-00-3	Chloroethane	5.4	U J
75-69-4	Trichlorofluoromethane	5.4	U J
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U J
75-35-4	1,1-Dichloroethene	5.4	U J
67-64-1	Acetone	27	U
75-15-0	Carbon Disulfide	5.4	U
1634-04-4	Methyl tert-butyl Ether	5.4	U
79-20-9	Methyl Acetate	5.4	U
75-09-2	Methylene Chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U J
78-93-3	2-Butanone	27	U
56-23-5	Carbon Tetrachloride	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
108-87-2	Methylcyclohexane	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
108-10-1	4-Methyl-2-Pentanone	27	U
108-88-3	Toluene	5.4	U

KRM
5/25/10

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK037981.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: not dec. 8 Date Analyzed: 03/09/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethyl Benzene	5.4	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546Matrix (soil/water): SOIL Lab Sample ID: B1546-11Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.DLevel: (low/med) LOW Date Received: 03/09/10% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10Injection Volume: 1 Dilution Factor: 1GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
100-52-7	Benzaldehyde	3500	U
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)ether	3500	U
95-57-8	2-Chlorophenol	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2-oxybis(1-Chloropropane)	3500	U
98-86-2	Acetophenone	3500	U
65794-96-9	3+4-Methylphenols	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
87-68-3	Hexachlorobutadiene	3500	U
105-60-2	Caprolactam	3500	U
59-50-7	4-Chloro-3-methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	3500	U
92-52-4	1,1-Biphenyl	3500	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	3500	U
131-11-3	Dimethylphthalate	~~1200~~ 3500	~~U~~ U

Comments: _____

KRM
5/25/10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	3500	U
83-32-9	Acenaphthene	3500	U
51-28-5	2,4-Dinitrophenol	3500	U J
100-02-7	4-Nitrophenol	3500	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	3500	U
534-52-1	4,6-Dinitro-2-methylphenol	3500	U J
86-30-6	N-Nitrosodiphenylamine	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
1912-24-9	Atrazine	3500	U
87-86-5	Pentachlorophenol	3500	U J
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	1900	J

Comments:

Kend 5/25/10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenz(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

Comments:

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9 (0-2) RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-11RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063027.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-52-7	Benzaldehyde	360	U	J
108-95-2	Phenol	360	U	
111-44-4	bis (2-Chloroethyl) ether	360	U	
95-57-8	2-Chlorophenol	360	U	
95-48-7	2-Methylphenol	360	U	
108-60-1	2,2-oxybis (1-Chloropropane)	360	U	
98-86-2	Acetophenone	360	U	
65794-96-9	3+4-Methylphenols	360	U	
621-64-7	N-Nitroso-di-n-propylamine	360	U	
67-72-1	Hexachloroethane	360	U	
98-95-3	Nitrobenzene	360	U	
78-59-1	Isophorone	360	U	
88-75-5	2-Nitrophenol	360	U	
105-67-9	2,4-Dimethylphenol	360	U	
111-91-1	bis (2-Chloroethoxy) methane	360	U	
120-83-2	2,4-Dichlorophenol	360	U	
91-20-3	Naphthalene	360	U	
106-47-8	4-Chloroaniline	360	U	
87-68-3	Hexachlorobutadiene	360	U	
105-60-2	Caprolactam	360	U	
59-50-7	4-Chloro-3-methylphenol	360	U	
91-57-6	2-Methylnaphthalene	360	U	
77-47-4	Hexachlorocyclopentadiene	360	U	
88-06-2	2,4,6-Trichlorophenol	360	U	
95-95-4	2,4,5-Trichlorophenol	360	U	
92-52-4	1,1-Biphenyl	360	U	
91-58-7	2-Chloronaphthalene	360	U	
88-74-4	2-Nitroaniline	360	U	J
131-11-3	Dimethylphthalate	360	U	J
208-96-8	Acenaphthylene	360	U	J
606-20-2	2,6-Dinitrotoluene	360	U	J
99-09-2	3-Nitroaniline	360	U	J

FORM I SV-1

SVOC-TCL BNA -20

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546

Matrix (soil/water): SOIL Lab Sample ID: B1546-11

Sample wt/vol: 3.11 (g/mL) g Lab File ID: BE062528.D

Level: (low/med) LOW Date Received: 03/09/10

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 03/10/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/10/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	~~Butane, 2-methoxy-2-methyl~~	1.94	860	JB
123-42-2	~~2-Pentanone, 4-hydroxy-4-methyl~~	3.42	12000	AB
86711-81-1	2-Chloropropionic acid, hexadecyl	12.6	1500	J
54125-39-2	trans-2,3-Epoxydecane	14.37	800	J
112-95-8	Eicosane	15.72	2000	J

Handwritten:
5/25/10

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-11RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063027.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
83-32-9	Acenaphthene	360	U	J
51-28-5	2,4-Dinitrophenol	360	U	J
100-02-7	4-Nitrophenol	360	U	
132-64-9	Dibenzofuran	360	U	
121-14-2	2,4-Dinitrotoluene	360	U	
84-66-2	Diethylphthalate	360	U	
7005-72-3	4-Chlorophenyl-phenylether	360	U	
86-73-7	Fluorene	360	U	
100-01-6	4-Nitroaniline	360	U	
534-52-1	4,6-Dinitro-2-methylphenol	360	U	
86-30-6	N-Nitrosodiphenylamine	360	U	
101-55-3	4-Bromophenyl-phenylether	360	U	
118-74-1	Hexachlorobenzene	360	U	
1912-24-9	Atrazine	360	U	
87-86-5	Pentachlorophenol	360	U	
85-01-8	Phenanthrene	360	U	
120-12-7	Anthracene	360	U	
86-74-8	Carbazole	360	U	
84-74-2	Di-n-butylphthalate	360	U	
206-44-0	Fluoranthene	92	J	
129-00-0	Pyrene	360	U	
85-68-7	Butylbenzylphthalate	360	U	
91-94-1	3,3-Dichlorobenzidine	360	U	
56-55-3	Benzo(a)anthracene	360	U	
218-01-9	Chrysene	360	U	
117-81-7	bis(2-Ethylhexyl)phthalate	360	U	
117-84-0	Di-n-octyl phthalate	360	U	
205-99-2	Benzo(b)fluoranthene	360	U	
207-08-9	Benzo(k)fluoranthene	360	U	
50-32-8	Benzo(a)pyrene	360	U	
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	
53-70-3	Dibenz(a,h)anthracene	360	U	J

FORM I SV-1

SVOC-TCL BNA -20

KRM
5/28/10

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)RE

Lab Name: Chemtech Consulting Group Contract: PWGR01
 Lab Code: CHEM Case No.: B1546 SAS No.: B1546 SDG No.: B1546
 Matrix (soil/water): SOIL Lab Sample ID: B1546-11RE
 Sample wt/vol: 30.0 (g/mL) g Lab File ID: BE063027.D
 Level: (low/med) LOW Date Received: 3/9/2010
 % Moisture: 8 Decanted: (Y/N) N Date Extracted: 3/31/2010
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 4/1/2010
 Injection Volume: 1.0 Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: N/A Extraction: (Type) SOXH

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
191-24-2	Benzo(g,h,i)perylene	360	U	J

Kend
5/27/10

Chemtech Consulting Group

-1F-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SS-9(0-2)RE

Contract: PWGR01

Lab Code: CHEM

Case No.: B1546

SAS No.: B1546

SDG No.: B1546

Matrix (soil/water): SOIL

Lab Sample ID: B1546-11RE

Sample wt/vol: 30.00 (g/mL) g

Lab File ID: BE063027.D

Level (low/med): LOW

Date Received: 3/9/2010

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 3/31/2010

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 4/1/2010

Injection Volume: 1.0

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: N/A

Number TICS found: 3

Concentration Units: ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~123-42-2~~	~~2-Pentanone, 4-hydroxy-4-methyl-~~	~~3.22~~	~~940~~	~~AB~~
593-45-3	Octadecane	14.02	240	J
630-04-6	Hentriacontane	15.22	720	J

Handwritten: 5/28/10

Hit Summary Report

SDG No.: B1546

Order ID:

B1546

Client: P.W. Grosser Consulting

Project ID:

Ronkonkona Wallpaper- Suffolk Cou

Test: SVOC-TCL BNA -20

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SS-8(0-2)RE							
B1546-10RE	SS-8(0-2)RE	SOIL	Dimethylphthalate	330	J	350	9.7	ug/Kg
B1546-10RE	SS-8(0-2)RE	SOIL	2-Pentanone, 4-hydroxy-4-met *	890	AB	0	0	ug/Kg
Total SVOC's:				330.00				
Total TIC's:				890.00				
Total SVOC's and TIC's:				1220.00				

Client ID: SS-9(0-2)RE

B1546-11RE	SS-9(0-2)RE	SOIL	Dimethylphthalate	270	U	360	9.8	ug/Kg
B1546-11RE	SS-9(0-2)RE	SOIL	Fluoranthene	92	J	360	7.3	ug/Kg
B1546-11RE	~~SS-9(0-2)RE~~	~~SOIL~~	~~2-Pentanone, 4-hydroxy-4-met *~~	~~940~~	~~AB~~	~~0~~	~~0~~	~~ug/Kg~~
B1546-11RE	SS-9(0-2)RE	SOIL	Octadecane	* 240	J	0	0	ug/Kg
B1546-11RE	SS-9(0-2)RE	SOIL	Hentriacontane	* 720	J	0	0	ug/Kg
Total SVOC's:				92				
Total TIC's:				960				
Total SVOC's and TIC's:				1052				

362.00

1900.00

2262.00

1052

KRM
5/27/10

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Hit Summary Sheet SW-846

SDG No.: B1546

Client: P.W. Grosser Consulting

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
B1546-10	SS-8(0-2)	SOIL	Tetradecanoic acid	* 1,200.000	J	0	0	ug/Kg
B1546-10	SS-8(0-2)	SOIL	unknown1.94	* 830.000	J	0	0	ug/Kg
B1546-10	SS-8(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	* 11,000.000	AB	0	0	ug/Kg
B1546-10	SS-8(0-2)	SOIL	3.alpha.-(Trimethylsiloxy)cholest-	* 970.000	J	0	0	ug/Kg
Total Tics :					14,000.00			
Total Concentration:					15,100.00			
Client ID : SS-9(0-2)								
B1546-11	SS-9(0-2)	SOIL	Dimethylphthalate	1,200.000	JB U	3500	94	ug/Kg
B1546-11	SS-9(0-2)	SOIL	bis(2-Ethylhexyl)phthalate	1,900.000	J *	3500	120	ug/Kg
Total Svoc :				1900. - ~~3,100.00~~				
B1546-11	SS-9(0-2)	SOIL	Butane, 2-methoxy-2-methyl-	* ~~860.000~~	JB R	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	Eicosane	* 2,000.000	J	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	trans-2,3-Epoxydecane	* 800.000	J	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	2- Chloropropionic acid, hexadecyl	* 1,500.000	J	0	0	ug/Kg
B1546-11	SS-9(0-2)	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	* ~~12,000.000~~	AB R	0	0	ug/Kg
Total Tics :				4300 - ~~17,100.00~~				
Total Concentration:				~~20,260.00~~				
6200.								

* Caution may be Lab contaminant

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-9(0-2)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1546 NRAS No.: B1546 SDG NO.: B1546
Matrix (soil/water): SOIL Lab Sample ID: B1546-11
Level (low/med): LOW Date Received: 3/9/2010
% Solids: 92.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	323			P
7440-36-0	Antimony	1.800	U		P
7440-38-2	Arsenic	0.29	U	0.72	P
7440-39-3	Barium	20.4			P
7440-41-7	Beryllium	0.22	U		P
7440-43-9	Cadmium	0.08	U	0.22	P
7440-70-2	Calcium	372			P
7440-47-3	Chromium	3.180			P
7440-48-4	Cobalt	1.080	U		P
7440-50-8	Copper	3.540			P
7439-89-6	Iron	1160			P
7439-92-1	Lead	30.3			P
7439-95-4	Magnesium	157			P
7439-96-5	Manganese	16.7	J		P
7439-97-6	Mercury	0.018			CV
7440-02-0	Nickel	0.61	J		P
7440-09-7	Potassium	73.8			P
7782-49-2	Selenium	0.26	U	0.72	P
7440-22-4	Silver	0.36	U		P
7440-23-5	Sodium	34.4	U	71.9	P
7440-28-0	Thallium	1.440	U		P
7440-62-2	Vanadium	3.370			P
7440-66-6	Zinc	28.0			P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

Handwritten: 5/27/10

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/08/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/09/10
Client Sample ID:	SS-9(0-2)	SDG No.:	B1546
Lab Sample ID:	B1546-11	Matrix:	SOIL
		% Solid:	92.1

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.543	U	1	0.543	0.543	mg/Kg	03/10/10	03/11/10	9012A

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-04

Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK038008.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 5 Date Analyzed: 03/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	5.3	U	J
74-87-3	Chloromethane	5.3	U	
75-01-4	Vinyl Chloride	5.3	U	J
74-83-9	Bromomethane	5.3	U	
75-00-3	Chloroethane	5.3	U	
75-69-4	Trichlorofluoromethane	5.3	U	J
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U	
75-35-4	1,1-Dichloroethene	5.3	U	
67-64-1	Acetone	26	U	
75-15-0	Carbon Disulfide	5.3	U	
1634-04-4	Methyl tert-butyl Ether	5.3	U	
79-20-9	Methyl Acetate	5.3	U	
75-09-2	Methylene Chloride	5.3	U	
156-60-5	trans-1,2-Dichloroethene	5.3	U	
75-34-3	1,1-Dichloroethane	5.3	U	
110-82-7	Cyclohexane	5.3	U	
78-93-3	2-Butanone	26	U	
56-23-5	Carbon Tetrachloride	5.3	U	
156-59-2	cis-1,2-Dichloroethene	5.3	U	
67-66-3	Chloroform	5.3	U	
71-55-6	1,1,1-Trichloroethane	5.3	U	
108-87-2	Methylcyclohexane	5.3	U	
71-43-2	Benzene	5.3	U	
107-06-2	1,2-Dichloroethane	5.3	U	
79-01-6	Trichloroethene	5.3	U	
78-87-5	1,2-Dichloropropane	5.3	U	
75-27-4	Bromodichloromethane	5.3	U	
108-10-1	4-Methyl-2-Pentanone	26	U	
108-88-3	Toluene	5.3	U	

KRM
5/27/10

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-04

Sample wt/vol: 5.01 (g/mL) g Lab File ID: VK038008.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: not dec. 5 Date Analyzed: 03/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>ug/Kg</u>	Q
10061-02-6	t-1,3-Dichloropropene	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
591-78-6	2-Hexanone	26	U
124-48-1	Dibromochloromethane	5.3	U
106-93-4	1,2-Dibromoethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethyl Benzene	5.3	U
179601-23-1	m/p-Xylenes	11	U
95-47-6	o-Xylene	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U
120-82-1	1,2,4-Trichlorobenzene	5.3	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-04

Sample wt/vol: 30.06 (g/mL) g Lab File ID: BE062583.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

100-52-7	Benzaldehyde	350	U	J
108-95-2	Phenol	350	U	
111-44-4	bis(2-Chloroethyl)ether	350	U	
95-57-8	2-Chlorophenol	350	U	
95-48-7	2-Methylphenol	350	U	
108-60-1	2,2-oxybis(1-Chloropropane)	350	U	
98-86-2	Acetophenone	350	U	
65794-96-9	3+4-Methylphenols	350	U	
621-64-7	N-Nitroso-di-n-propylamine	350	U	
67-72-1	Hexachloroethane	350	U	
98-95-3	Nitrobenzene	350	U	
78-59-1	Isophorone	350	U	
88-75-5	2-Nitrophenol	350	U	
105-67-9	2,4-Dimethylphenol	350	U	
111-91-1	bis(2-Chloroethoxy)methane	350	U	
120-83-2	2,4-Dichlorophenol	350	U	
91-20-3	Naphthalene	350	U	
106-47-8	4-Chloroaniline	350	U	J
87-68-3	Hexachlorobutadiene	350	U	
105-60-2	Caprolactam	350	U	
59-50-7	4-Chloro-3-methylphenol	350	U	
91-57-6	2-Methylnaphthalene	350	U	
77-47-4	Hexachlorocyclopentadiene	350	U	
88-06-2	2,4,6-Trichlorophenol	350	U	
95-95-4	2,4,5-Trichlorophenol	350	U	
92-52-4	1,1-Biphenyl	350	U	
91-58-7	2-Chloronaphthalene	350	U	
88-74-4	2-Nitroaniline	56	J	
131-11-3	Dimethylphthalate	150 350	JB	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-04

Sample wt/vol: 30.06 (g/mL) g Lab File ID: BE062583.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	350	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	350	U J
100-02-7	4-Nitrophenol	350	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	350	U
534-52-1	4,6-Dinitro-2-methylphenol	350	U J
86-30-6	N-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	350	U J
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U

Comments:

K2
5/29/10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-04

Sample wt/vol: 30.06 (g/mL) g Lab File ID: BE062583.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

117-84-0	Di-n-octyl phthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1561 SAS No.: B1561 SDG No.: B1561

Matrix (soil/water): SOIL Lab Sample ID: B1561-04

Sample wt/vol: 30.06 (g/mL) g Lab File ID: BE062583.D

Level: (low/med) LOW Date Received: 03/10/10

% Moisture: 5 Decanted: (Y/N) N Date Extracted: 03/11/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Concentration Units: ug/Kg

Number TICS found: 8

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	~~Butane, 2-methoxy-2-methyl-~~	~~1.96~~	~~120~~	~~JB~~
123-42-2	~~2-Pentanone, 4-hydroxy-4-methyl-~~	~~3.42~~	~~1300~~	~~AB~~
131-91-9	2-Naphthalenol, 1-nitroso-	8.83	98	J
110-36-1	n-Butyl myristate	11.26	76	J
593-50-0	~~1-Triacontanol~~	~~12.59~~	~~180~~	~~J B~~
	unknown13.40	13.4	120	J
4602-84-0	~~2,6,10-Dodecatrien-1-ol, 3,7,11-tr~~	~~13.93~~	~~120~~	~~J B~~
	unknown16.24	16.24	75	J

#Pnd
5/27/10

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4(18-20)

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1561 NRAS No.: B1561 SDG NO.: B1561
 Matrix (soil/water): SOIL Lab Sample ID: B1561-04
 Level (low/med): LOW Date Received: 3/10/2010
 % Solids: 95.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	374			P
7440-36-0	Antimony	1.640	U		P
7440-38-2	Arsenic	0.23	J	U 0.66	P
7440-39-3	Barium	6.180			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	68.1			P
7440-47-3	Chromium	55.4			P
7440-48-4	Cobalt	0.99	U		P
7440-50-8	Copper	5.570			P
7439-89-6	Iron	1520			P
7439-92-1	Lead	135			P
7439-95-4	Magnesium	45.5	J	U 65.7	P
7439-96-5	Manganese	5.300		J	P
7439-97-6	Mercury	0.011	U		CV
7440-02-0	Nickel	0.34	J		P
7440-09-7	Potassium	27.9	J		P
7782-49-2	Selenium	0.66	U		P
7440-22-4	Silver	0.33	U		P
7440-23-5	Sodium	46.4	J	U 65.7	P
7440-28-0	Thallium	1.310	U		P
7440-62-2	Vanadium	1.540			P
7440-66-6	Zinc	34.9			P

Color Before: Brown Clarity Before: _____ Texture: Medium
 Color After: Yellow Clarity After: _____ Artifacts: _____

Comments:



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

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/09/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/10/10
Client Sample ID:	SB-4(18-20)	SDG No.:	B1561
Lab Sample ID:	B1561-04	Matrix:	SOIL
		% Solid:	95.1

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.526	U	1	0.526	0.526	mg/Kg	03/12/10	03/12/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3

Lab Name: Chemtech Contract: PWGR01Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659Matrix (soil/water): SOIL Lab Sample ID: B1659-01Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038153.DLevel: (low/med) LOW Date Received: 03/19/10% Moisture: not dec. 57 Date Analyzed: 03/22/10GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichlorotrifluoroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
67-64-1	Acetone	79	J
1634-04-4	Methyl tert-butyl Ether	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
78-93-3	2-Butanone	58	U
56-23-5	Carbon Tetrachloride	12	U
594-20-7	2,2-Dichloropropane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
74-97-5	Bromochloromethane	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
563-58-6	1,1-Dichloropropene	12	U
71-43-2	Benzene	4.7	J
107-06-2	1,2-Dichloroethane	12	U
79-01-6	Trichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
74-95-3	Dibromomethane	12	U
75-27-4	Bromodichloromethane	12	U
108-10-1	4-Methyl-2-Pentanone	58	U
108-88-3	Toluene	100	J

Form I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: B1659-01

Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038153.D

Level: (low/med) LOW Date Received: 03/19/10

% Moisture: not dec. 57 Date Analyzed: 03/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

10061-02-6	t-1,3-Dichloropropene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
142-28-9	1,3-Dichloropropane	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
127-18-4	Tetrachloroethene	12	U
108-90-7	Chlorobenzene	12	U
630-20-6	1,1,1,2-Tetrachloroethane	12	U
100-41-4	Ethyl Benzene	4.1	J
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
96-18-4	1,2,3-Trichloropropane	12	U
108-86-1	Bromobenzene	12	U
103-65-1	n-propylbenzene	12	U J
95-49-8	2-Chlorotoluene	12	U
108-67-8	1,3,5-Trimethylbenzene	2.9	J
106-43-4	4-Chlorotoluene	12	U
98-06-6	tert-Butylbenzene	12	U
95-63-6	1,2,4-Trimethylbenzene	12	U J
135-98-8	sec-Butylbenzene	12	U
99-87-6	p-Isopropyltoluene	~~1700~~ 34000 * J	E R
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
104-51-8	n-Butylbenzene	12	U J
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: B1659-01

Sample wt/vol: 5.02 (g/mL) g Lab File ID: VK038153.D

Level: (low/med) LOW Date Received: 03/19/10

% Moisture: not dec. 57 Date Analyzed: 03/22/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

120-82-1	1,2,4-Trichlorobenzene	12	U J
87-68-3	Hexachlorobutadiene	12	U
91-20-3	Naphthalene	19	J
87-61-6	1,2,3-Trichlorobenzene	12	U J
95-93-2	1,2,4,5-tetramethylbenzene	12	U J
105-05-5	p-diethylbenzene	12	U
622-96-8	p-ethyltoluene	12	U
1330-20-7	Total Xylenes	11.6	J

KP
5/28/10

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3DL

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: B1659-01DL

Sample wt/vol: 5 (g/mL) g Lab File ID: VE017495.D

Level: (low/med) MED Date Received: 03/19/10

% Moisture: not dec. 57 Date Analyzed: 03/23/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

75-71-8	Dichlorodifluoromethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-69-4	Trichlorofluoromethane	1200	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1200	U
75-35-4	1,1-Dichloroethene	1200	U
67-64-1	Acetone	5800	U
1634-04-4	Methyl tert-butyl Ether	1200	U
75-09-2	Methylene Chloride	1200	U
156-60-5	trans-1,2-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
78-93-3	2-Butanone	5800	U
56-23-5	Carbon Tetrachloride	1200	U
594-20-7	2,2-Dichloropropane	1200	U
156-59-2	cis-1,2-Dichloroethene	1200	U
74-97-5	Bromochloromethane	1200	U
67-66-3	Chloroform	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
563-58-6	1,1-Dichloropropene	1200	U
71-43-2	Benzene	1200	U
107-06-2	1,2-Dichloroethane	1200	U
79-01-6	Trichloroethene	1200	U
78-87-5	1,2-Dichloropropane	1200	U
74-95-3	Dibromomethane	1200	U
75-27-4	Bromodichloromethane	1200	U
108-10-1	4-Methyl-2-Pentanone	5800	U
108-88-3	Toluene	370	JD
10061-02-6	t-1,3-Dichloropropene	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U

KBM
5/26/10

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3DL

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: B1659-01DL

Sample wt/vol: 5 (g/mL) g Lab File ID: VE017495.D

Level: (low/med) MED Date Received: 03/19/10

% Moisture: not dec. 57 Date Analyzed: 03/23/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

79-00-5	1,1,2-Trichloroethane	~~1200~~	U
142-28-9	1,3-Dichloropropane	1200	U
124-48-1	Dibromochloromethane	1200	U
106-93-4	1,2-Dibromoethane	1200	U
127-18-4	Tetrachloroethene	1200	U
108-90-7	Chlorobenzene	1200	U
630-20-6	1,1,1,2-Tetrachloroethane	1200	U
100-41-4	Ethyl Benzene	1200	U
100-42-5	Styrene	1200	U R
75-25-2	Bromoform	1200	U
98-82-8	Isopropylbenzene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
96-18-4	1,2,3-Trichloropropane	1200	U
108-86-1	Bromobenzene	1200	U
103-65-1	n-propylbenzene	1200	U
95-49-8	2-Chlorotoluene	1200	U
108-67-8	1,3,5-Trimethylbenzene	1200	U
106-43-4	4-Chlorotoluene	1200	U
98-06-6	tert-Butylbenzene	1200	U
95-63-6	1,2,4-Trimethylbenzene	1200	U
135-98-8	sec-Butylbenzene	~~1200~~	~~U~~
99-87-6	p-Isopropyltoluene	34000	~~U~~
541-73-1	1,3-Dichlorobenzene	~~1200~~	~~U~~
106-46-7	1,4-Dichlorobenzene	1200	U
104-51-8	n-Butylbenzene	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U R
96-12-8	1,2-Dibromo-3-Chloropropane	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
87-68-3	Hexachlorobutadiene	~~1200~~	~~U~~

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3DL

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: B1659-01DL

Sample wt/vol: 5 (g/mL) g Lab File ID: VE017495.D

Level: (low/med) MED Date Received: 03/19/10

% Moisture: not dec. 57 Date Analyzed: 03/23/10

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

91-20-3	Naphthalene	~~340~~	~~JD~~
87-61-6	1,2,3-Trichlorobenzene	~~1200~~	~~JD~~
1330-20-7	Total Xylenes	~~3500~~	~~JD~~

KPm
5/26/10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1659 SAS No.: B1659 SDG No.: B1659

Matrix (soil/water): SOIL Lab Sample ID: B1659-01

Sample wt/vol: 30.04 (g/mL) g Lab File ID: BE062741.D

Level: (low/med) LOW Date Received: 03/19/10

% Moisture: 57 Decanted: (Y/N) N Date Extracted: 03/19/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/19/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

83-32-9	Acenaphthene	770	U
86-73-7	Fluorene	770	U
85-01-8	Phenanthrene	770	U
120-12-7	Anthracene	770	U
206-44-0	Fluoranthene	770	U
129-00-0	Pyrene	770	U
56-55-3	Benzo(a)anthracene	770	U
218-01-9	Chrysene	770	U
205-99-2	Benzo(b)fluoranthene	770	U
207-08-9	Benzo(k)fluoranthene	770	U
50-32-8	Benzo(a)pyrene	770	U
193-39-5	Indeno(1,2,3-cd)pyrene	770	U
53-70-3	Dibenz(a,h)anthracene	770	U
191-24-2	Benzo(g,h,i)perylene	770	U

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659
Matrix (soil/water): SOIL Lab Sample ID: B1659-01
Level (low/med): LOW Date Received: 3/19/2010
% Solids: 42.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	6.290			P
7440-41-7	Beryllium	0.71	U		P
7440-43-9	Cadmium	0.67	J	U 0.71	P
7440-47-3	Chromium	R 12700	OR	14700 *	P
7440-50-8	Copper	420			P
7439-92-1	Lead	R 64955.3	OR	72100 *	P
7439-97-6	Mercury	0.092		J	CV
7440-02-0	Nickel	8.560			P
7440-22-4	Silver	1.180	U		P

* taken from dilution
analysis.

KPW 5/27/10

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments: _____

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DW-3DL

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1659 NRAS No.: B1659 SDG NO.: B1659
Matrix (soil/water): SOIL Lab Sample ID: B1659-01DL
Level (low/med): LOW Date Received: 3/19/2010
% Solids: 42.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	23.5	U	D	P
7440-41-7	Beryllium	7.060	U	R D	P
7440-43-9	Cadmium	7.060	U	D	P
7440-47-3	Chromium	14700		D	P
7440-50-8	Copper	481		R D	P
7439-92-1	Lead	72100		D	P
7440-02-0	Nickel	47.1	U	D	P
7440-22-4	Silver	11.8	U	R D	P

Color Before: Brown Clarity Before: _____ Texture: Medium
Color After: Yellow Clarity After: _____ Artifacts: _____

Comments:

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	03/18/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	03/19/10
Client Sample ID:	DW-3	SDG No.:	B1659
Lab Sample ID:	B1659-01	Matrix:	SOIL
		% Solid:	42.5

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	35		1	1.18	1.18	mg/Kg	03/19/10	03/22/10	9012A

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-04

Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028706.D

Level: (low/med) Date Received: 04/02/10

% Moisture: not dec. 100 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U J
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U J
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U

Kp
5/25/10

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-04

Sample wt/vol: 5 (g/mL) ml Lab File ID: VD028706.D

Level: (low/med) Date Received: 04/02/10

% Moisture: not dec. 100 Date Analyzed: 04/05/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U J
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U J
120-82-1	1,2,4-Trichlorobenzene	1	U

KRW
5/27/10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-04

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063103.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

100-52-7	Benzaldehyde	~~10~~	~~U~~ R
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

KBW
5/28/10

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-04

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063103.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF
Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments:

K2
5/28/10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-04

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063103.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Extraction: (Type) SEPF

Concentration Units:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Contract: PWGR01

Lab Code: CHEM Case No.: B1773 SAS No.: B1773 SDG No.: B1773

Matrix (soil/water): WATER Lab Sample ID: B1773-04

Sample wt/vol: 980 (g/mL) ml Lab File ID: BE063103.D

Level: (low/med) LOW Date Received: 04/02/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 04/05/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/06/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 5 Concentration Units: ug/L

Number TICS found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
994-05-8	~~Butane, 2-methoxy-2-methyl~~	1.75	16	~~JB~~
123-42-2	~~2-Pentanone, 4-hydroxy-4-methyl~~	3.19	15	~~AB~~
5444-75-7	Benzoic acid, 2-ethylhexyl ester	8.71	3.3	J
	unknown 10.82	10.82	2.5	~~JB~~

R

R

Handwritten: 5/28/10

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
Matrix (soil/water): WATER Lab Sample ID: B1773-04
Level (low/med): LOW Date Received: 4/2/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	75.2			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	~~29.9~~	~~✓~~	50 U	P
7440-41-7	Beryllium	3.000	U		P
7440-43-9	Cadmium	~~1.110~~	~~✓~~	3 U	P
7440-70-2	Calcium	15800			P
7440-47-3	Chromium	~~2.160~~	~~✓~~	5 U	P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	24.3			P
7439-89-6	Iron	65.1			P
7439-92-1	Lead	~~3.830~~	~~✓~~	6.0 U	P
7439-95-4	Magnesium	1170			P
7439-96-5	Manganese	57.7			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1630			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	7150			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	12700			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Metals
1A-IN
INORGANIC ANALYSIS DATA SHEET

Dissolved

EPA SAMPLE NO.

MW-4

Lab Name: Chemtech Consulting Group Contract: P.W. Grosser Consulting
 Lab Code: CTECH Case No.: B1773 NRAS No.: B1773 SDG NO.: B1773
 Matrix (soil/water): WATER Lab Sample ID: B1773-12
 Level (low/med): LOW Date Received: 4/2/2010
 % Solids: 0.0

Filtered

*KRM
5/28/10*

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	57.6			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	29.4	J	50 U	P
7440-41-7	Beryllium	3.000	U	3 U	P
7440-43-9	Cadmium	0.87	J	U 3	P
7440-70-2	Calcium	15800			P
7440-47-3	Chromium	5.000	U		P
7440-48-4	Cobalt	15.0	U		P
7440-50-8	Copper	14.6			P
7439-89-6	Iron	27.0	J		P
7439-92-1	Lead	3.140	J	6.0 U	P
7439-95-4	Magnesium	1210			P
7439-96-5	Manganese	57.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	1610			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	5.000	U		P
7440-23-5	Sodium	7160			P
7440-28-0	Thallium	20.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	12700			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

*KRM
5/28/10*

Comments:

Report of Analysis

Client:	P.W. Grosser Consulting	Date Collected:	04/01/10
Project:	Ronkonkona Wallpaper- Suffolk County	Date Received:	04/02/10
Client Sample ID:	MW-4	SDG No.:	B1773
Lab Sample ID:	B1773-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	RL	MDL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.01	U	1	0.01	0.01	mg/L	04/05/10	04/05/10	9012A

U = Not Detected

J = Estimated Value

RL = Reporting Limit

B = Analyte Found in Associated Method Blank

MDL = Method Detection Limit

N = Presumptive Evidence of a Compound

E = Value Exceeds Calibration Range

APPENDIX J

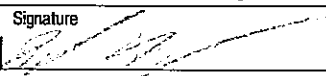
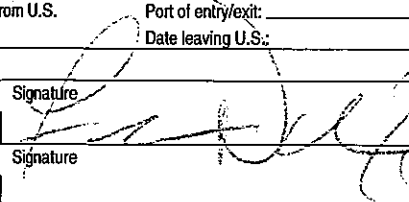
INVESTIGATION DERIVED WASTE MANIFESTS

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of 1		3. Emergency Response Phone (631) 566-2000		4. Waste Tracking Number 601823		
5. Generator's Name and Mailing Address Suffolk County Dept of Health to Robert Scysmith 350 YAPHANK AVE, YAPHANK NY 11980						Generator's Site Address (if different than mailing address) JENNIFER RANKENKOMA WALL PAPER 934 EASTEN ST, RANKENKOMA NY				
Generator's Phone:										
6. Transporter 1 Company Name AMERICAN ENVIRONMENTAL ASSESSMENT CORP.						U.S. EPA ID Number NYR000044412				
7. Transporter 2 Company Name						U.S. EPA ID Number				
8. Designated Facility Name and Site Address NORTHLAND ENVIRONMENTAL LLC 293 ALLENSTOWN AVE PROVIDENCE RI 02905						U.S. EPA ID Number RID 040092352				
Facility's Phone: 401-781-6340										
9. Waste Shipping Name and Description						10. Containers		11. Total Quantity	12. Unit Wt/Vol.	
						No.	Type			
1. NON RCRA, NON DOT REGULATED (DARK CUTTINGS)						X2	DM	X/200	P	
2.										
3.										
4.										
13. Special Handling Instructions and Additional Information SITE ID# E-152191										
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.										
Generator's/Offor's Printed/Typed Name DANIEL M. WILSON (S. 11/12)						Signature 		Month Day Year 3 6 12		
15. International Shipments ☐ Import to U.S. ☐ Export from U.S.						Port of entry/exit: Date leaving U.S.:				
16. Transporter Acknowledgment of Receipt of Materials										
Transporter 1 Printed/Typed Name TIGHE NARACONAG						Signature 		Month Day Year 3 6 12		
Transporter 2 Printed/Typed Name						Signature		Month Day Year		
17. Discrepancy										
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection										
Manifest Reference Number:										
17b. Alternate Facility (or Generator)						U.S. EPA ID Number				
Facility's Phone:										
17c. Signature of Alternate Facility (or Generator)						Signature		Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a										
Printed/Typed Name						Signature		Month Day Year		

1433

1131851

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone (631) 586-2000	4. Waste Tracking Number 601284	
5. Generator's Name and Mailing Address Suffolk County Dept of Health Services 350 YAPHANK AVE, YAPHANK NY 11990			Generator's Site Address (if different than mailing address) Former Ronskonkoma Wall Paper 934 EASTON ST, Ronskonkoma NY			
Generator's Phone: 631-369-4900						
6. Transporter 1 Company Name AMERICAN ENVIRONMENTAL ASSESSMENT CORP.				U.S. EPA ID Number NYR000044412		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address PSC-CHEMICAL POLLUTION CONTROL 120 S. FOURTH ST, BAYSHORE NY 11706				U.S. EPA ID Number		
Facility's Phone: 631-586-0333				NYD082 785 429		
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt/Vol.	
		No.	Type			
1. NON RCRA, NON DOT REGULATED (DRILL CUTTINGS)			DM	4170	P	
2. NON RCRA, NON DOT REGULATED (PURGE WATER)			DM	4200		
3.						
4.						
13. Special Handling Instructions and Additional Information 45186 45187 NYDEC SITE ID# E-152A1 DR10-0413						
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.						
Generator's/Officer's Printed/Typed Name Derek Ersek (As Agent For SCDK)				Signature 	Month Day Year 05 06 10	
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Bob Babin				Signature 	Month Day Year 05 06 10	
Transporter 2 Printed/Typed Name				Signature	Month Day Year	
17. Discrepancy						
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
Manifest Reference Number:						
17b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator) Month Day Year						
18. Designated Facility, Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name Mark Smith				Signature 	Month Day Year 05 06 10	

APPENDIX K

ALTERNATIVE ANALYSIS REPORT

P.W. GROSSER CONSULTING INC.
PROJECT No. SHD 1202

ALTERNATIVE ANALYSIS REPORT

FORMER RONKONKOMA WALLPAPER SITE
934 EASTON STREET
RONKONKOMA, NEW YORK
ERP Site # E152191

Submitted:
April 2013

Prepared for:
The New York State Department of Environmental Conservation
Division of Environmental Remediation

On behalf of:
Suffolk County Department of Health Services
Office of Pollution Control
15 Horseblock Place
Farmingville, NY 11738

Prepared By:
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Senior Vice President
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TABLES

Table 1	Alternative Analysis Table

ACRONYMS

ACT	Advanced Cleanup Technologies
AWQS	Ambient Water Quality Standards
BGS	Below Ground Surface
CAMP	Community Air Monitoring Plan
EC	Engineering Control
EE	Environmental Easement
ERP	Environmental Restoration Program
HASP	Health and Safety Plan
IC	Institutional Control
MEG	Miller Environmental Group
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and Maintenance
PRSC	Post-Remedial Site Control
PWGC	P.W. Grosser Consulting
RI	Remedial Investigation
RAO	Remedial Action Objectives
RRSCO	Restricted-Residential Soil Cleanup Objective
RSCO	Recommended Soil Cleanup Objective
SAC	State Assistance Contract
SCDHS	Suffolk County Department of Health Services
SCGs	Standards, Criteria, and Guidance Values
SCOs	Soil Cleanup Objectives
SVOCs	Semi-Volatile Organic Compounds
UIC	Underground Injection Control
UUSCO	Unrestricted Use Soil Cleanup Objective
VOC	Volatile Organic Compound

CERTIFICATION

I, PAUL K. BOYCE, certify that I am currently a NYS registered professional engineer, as defined in 6 NYCRR Part 375, and that this Alternative Analysis Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

PAUL K. BOYCE

PE Name

Paul Boyce

PE Signature

074604

PE License #

04.11.13

Date



1.0 INTRODUCTION

P.W. Grosser Consulting, Inc. (PWGC) has prepared the following Alternative Analysis Report on behalf of the Suffolk County Department of Health Services (SCDHS) for the former Ronkonkoma Wallpaper Site located at 934 Easton Street in Ronkonkoma, New York. The site is currently entered in the New York State Department of Environmental Conservation (NYSDEC) Environmental Restoration Program as Site No. E152191.

1.1 Purpose and Organization of Report

This Alternatives Analysis Report documents the basis and the procedures used in identifying, developing, screening, and evaluating remedial alternatives that could potentially address residual surface soil contamination at the site. The report, in conjunction with the Remedial Investigation Report (December 2012), provides the NYSDEC with sufficient data to select a feasible and cost-effective remedial alternative that will protect human health and the environment. The overall goal of the Alternatives Analysis is to develop and evaluate options for implementing a remedial action in accordance with the requirements NYSDEC 6 NYCRR Part 375 (Part 375) subpart 4.

This report contains the following three sections,

- Section 1.0, Introduction, provides site purpose and organization of the alternative analysis, references the site background information, and summarizes previous investigations. This section also discusses the conceptual model for the site which describes transport of contamination through the past.
- Section 2.0, Details the Remedial Action Objectives, General Response Actions, and Development of Alternatives.
- Section 3.0, Detailed Analysis of the Alternative, specifically evaluates each Alternative against eight remedial objective criteria and compares each Alternative to one another against the criteria.
- Section 4.0, States the applicant's preferred Alternative with supporting rational.

1.2 Background Information

1.2.1 Site Description

The subject site is located at 934 Easton Street in the Hamlet of Ronkonkoma, New York. The site is located within the Town of Islip and Suffolk County. The site is situated on the north side of Easton Street and is bounded on the east by Raynor Street, on the west by Elm Avenue, and on the south by residential properties. The property is identified as Section 63, Block 3, Lot 41.1 by the Suffolk County Department of Assessment. The site is approximately 3.3 acres and is currently undeveloped. Tall grasses and shrubs dominate the central and northern portions of the site where the buildings previously existed. A Vicinity/Topographic Map is included as **Figure 1**; a Site Plan is included as **Figure 2**.

1.2.2 Site History

A former industrial building (approximately 35,000 square feet in size) and a separate boiler building (approximately 850 square feet in size) with a brick stack approximately 50 feet high existed at the site. The original building was constructed in the 1920's and was reportedly used for the manufacture of paints. It is not

known when the facility converted from paint manufacturing to custom wallpaper production, but the wallpaper business left the facility before 1984. The site was then used to manufacture synthetic lumber construction shapes.

Suffolk County acquired the property in 2001 for failure to pay property taxes. In 2002, the Real Property Unit of the Suffolk County Department of Planning made the decision to demolish the buildings on-site. Demolition of the buildings was completed in March 2004. On May 13, 2004, an application was submitted for entry into the New York State Environmental Restoration Program (ERP). The site was approved for the ERP program on December 30, 2005 (Site ID#E152191). A State Assistance Contract (SAC), contract #C302758, was finalized in April 2007.

1.2.3 Physical settings

The topography of the site and surrounding area was reviewed from the USGS 7.5-minute series topographic map for the Ronkonkoma, New York quadrangle. The property has an elevation of approximately 103 feet above the National Geodetic Vertical Datum (NGVD). In general, the property and surrounding area is generally flat.

1.2.4 Hydrogeologic Setting

The geologic setting of Long Island is well documented and consists of crystalline bedrock composed of schist and gneiss overlain by layers of unconsolidated deposits. Immediately overlying the bedrock is the Raritan Formation, consisting of the Lloyd sand confined by the Raritan clay Member. The Lloyd sand is an aquifer and consists of discontinuous layers of gravel, sand, sandy and silty clay, and solid clay. The Raritan clay is a solid and silty clay with that is gray, red or white in color with few lenses of sand and gravel and abundant lignite and pyrite.

Above the Raritan Clay lies the Magothy Formation. The Magothy aquifer consists of layers of fine to coarse sand and of moderate to high permeability, with inter-bedded lenses of silt and clay of low permeability resulting in areas of preferential horizontal flow. Therefore, this aquifer generally becomes more confined with depth. The Magothy Formation is overlain by the Upper Glacial deposits which contains the Upper Glacial aquifer. The Upper Glacial aquifer is the water-table aquifer at this location and is comprised of medium to coarse sand and gravel with occasional thin lenses of fine sand and brown clay. This aquifer extends from the water table to the top of the Magothy and, therefore, is hydraulically connected to the Magothy aquifer.

The aquifer of concern at the former Ronkonkoma Wallpaper site is the Upper Glacial aquifer which is an unconsolidated mixture of sand and gravel. The Upper Glacial aquifer is approximately 190 feet thick (saturated zone) at the site, and has an estimated average horizontal hydraulic conductivity (permeability) of 270 feet/day and a vertical hydraulic conductivity of 27 feet/day (Franke & Cohen, 1972).

Clay layers, such as the Gardiners clay and the "20-Foot-clay," where present, may act as local confining units, separating the Upper Glacial aquifer from the underlying Magothy aquifer which is the principal source of drinking water in Suffolk County. These clay layers extend throughout much of the south shore of Long Island and are present just south of the site.

Based on data collected during monitoring well installation, depth to groundwater ranged from 57.49 to 60.31 feet bgs. No confining unit (clay) was present at the monitoring well locations. Regional groundwater flow at the

site is to the north-northwest. Based upon the groundwater measurements obtained from the site monitoring wells on April 1, 2010, local groundwater flow direction was determined to be to the west-northwest.

1.2.5 Previous Investigations

In April 2000, SCDHS obtained a warrant to access the property for the purpose of conducting an environmental investigation. Four (4) storm drains and a wastewater tank were sampled for volatile organic compounds (VOCs) and metals. Concentrations of lead were detected in the southeast storm drain sample above SCDHS action levels.

Three (3) monitoring wells were installed at the site in order to collect water table groundwater samples. Results from the groundwater sampling indicated no groundwater impacts of concern. The depth to groundwater at the time of sampling was approximately 65 feet below ground surface (bgs). Groundwater monitoring well locations are identified on **Figure 3**.

In May 2000, the SCDHS collected samples from a cesspool, the boiler building drywell, and the main sanitary system. Detected concentrations of VOCs and metals were below SCDHS Action Levels.

In a June 2000 inspection of the site by the SCDHS, a 5000-gallon heating oil underground storage tank (UST), a 1,000 gallon heating oil UST, two (2) 275-gallon heating oil aboveground storage tanks (ASTs), and a 2,000-gallon aboveground industrial waste holding tank were noted as concerns.

In December 2001, an application was submitted for entry into the New York State Environmental Restoration Program.

In January 2002, the Real Property Unit of the Suffolk County Department of Planning removed debris from the site.

During a March 2002 inspection of the site by the SCDHS and the Real Property Unit, the decision was made to demolish the site structure.

In May 2002, the SCDHS collected soil samples from six (6) locations under a wooden floor of the wooden structure. Analytical results indicated elevated concentrations of lead, chromium, and copper.

In August 2003, soil samples from eight (8) locations under the wooden floor were collected by the SCDHS from the surface and from a depth of one (1) foot below grade. Analytical results from the surface were elevated for chromium, copper, and lead. Analytical results indicated considerably lower lead concentrations at the one-foot samples than the surface samples.

In September 2003, the SCDHS conducted air sampling to address a reported odor of cyanide in the building. Results were within the OSHA standard.

In October 2003 Miller Environmental Group (MEG) excavated the lead-impacted area, approximately 85 feet by 60 feet, to a depth of approximately 1 foot. Areas of discoloration were excavated to a depth of approximately 2 feet. A concrete vault was broken up and removed. Six (6) endpoint samples were collected. Approximately 225 cubic yards (yds³) of soil was stockpiled for disposal. Analytical results of the sampling indicated elevated concentrations of lead. Based on the results, further excavation was performed, bringing the total volume of excavated soil to approximately 400 yds³. Eight (8) endpoint samples were collected; the results of which indicated concentrations within SCDHS site specific soil cleanup objectives (Lead @ 400 mg/kg, Copper @ 50 mg/kg & Chromium @40 mg/kg).

A geophysical investigation was also performed in February 2004 by Advanced Cleanup Technologies (ACT), which located the 5,000-gallon UST and the 1,000-gallon UST. No other USTs were located in the vicinity of the building.

Demolition of the buildings was completed in March 2004. The 5,000 gallon heating oil UST and the 1,000 gallon heating oil UST were located, excavated, and disposed. The 2,000-gallon fiberglass AST used for the storage of industrial wastewater was also removed from the site.

In March 2004, the southeast storm drain and its overflow pool were remediated. Excavated sediments were added to the stockpile. Endpoint analytical results indicated concentrations within SCDHS site specific soil cleanup objectives.

During removal of the excavated material from the site, two connected pits were found approximately 6 feet bgs. The pits were constructed of concrete and contained a multi-colored sludge within. Soils and sludges were removed to a depth of approximately 14 feet bgs. Endpoint samples collected from beneath the pits met SCDHS site specific cleanup objectives. Endpoint analytical results for the sample collected at the termination of the excavation along Raynor Street indicated that lead was present in concentrations greater than SCDHS site specific cleanup objectives and that impacted material may extend toward Raynor Avenue to the east. The excavation was terminated at the property line.

1.2.6 Remedial Investigation

Past sampling and remediation activities at the site have determined that soil at the site has been contaminated with heavy metals. The extent of the contamination had not been thoroughly delineated. A RI was performed at the site between March 8th and June 25th, 2010 to determine the vertical and horizontal boundaries of soil contamination and also to confirm that groundwater has not been impacted.

The Scope of Work included the following tasks:

1. Geophysical Investigation
2. Test Pit Excavation
3. Soil Sampling
4. Groundwater Sampling

1.2.7 Nature and Extent of Contamination

The following sections summarize and discuss the analytical results generated during the RI. Surface and subsurface soil, groundwater and sediment samples were collected for chemical analysis to determine the magnitude and extent of potential contamination occurring in various media at the site. Additionally, remediation areas and volumes have been estimated based on the analytical results and field knowledge obtained during the RI. The areal extent of each of the contaminated media and the approximate volumes and weights developed from these areas are summarized below. The estimated weights for the surface soil listed in the following sections were determined by assuming that one cubic yard of soil weighs 1.5 tons.

1.2.7.1 Surface Soil

Surface soil samples were collected at 0-2, 6-8, and 12-14 inches bgs at twelve locations across the site. Contaminants of concern detected in the surface soil primarily consist of semi-volatile organic compounds (SVOCs) and metals. **Figure 3** depicts the locations and contaminant concentrations of surface soil samples exceeding Restricted-Residential Soil Cleanup Objectives (RRSCOs).

The estimated area of impacted surface soil is approximately 127,803 square feet. Based upon field observations and analytical results, the depth of impacted surface soil above RRSCOs ranges from 6 to 24 inches bgs across the site. Based upon the depth of contamination and areas depicted in **Figure 4**, the approximate volume and weight of the impacted surface soil is 6,469 cubic yards and 9,704 tons, respectively. Additionally, to address the surface soil contamination, clearing and grubbing will be required. The estimated area for clearing and grubbing is 1.4 acres heavy trees to 24 inch diameter and 1.6 acres of low underbrush (**Figure 5**).

1.2.7.2 Subsurface Soil

Subsurface soil samples were collected at two depths during the RI Investigation; 14-16 feet bgs and 18-20 feet bgs from seven locations across the site in areas of concern. **Figure 3** depicts the location of subsurface soil samples.

Chromium and lead were detected in one of seven soil borings (SB-4) at a concentration above their respective Unrestricted Use Soil Cleanup Objective (UUSCO) at a depth of 18-20 feet bgs. The detections were below RRSCOs.

1.2.7.3 Groundwater

Groundwater samples were collected from three groundwater monitoring wells located at the site. **Figure 3** depicts the location of the groundwater monitoring wells.

Concentrations of total and dissolved metals exceeding the NYSDEC Ambient Water Quality Standards (AWQS) were detected in each of groundwater samples collected. However, many of these metals (sodium and zinc) are naturally occurring and are common in shallow groundwater. It is not believed that the metals detected in the groundwater samples are a result of an onsite source of contamination.

1.2.7.4 Sediments

Soil/sludge samples were collected from the base of one underground injection control (UIC) structure (DW-3)

that had not previously been sampled by the County during the Remedial Investigation (RI).

Contaminants of concern detected in the sediment collected from the drywell included VOCs (acetone and p-isopropyltoluene) and metals (chromium, copper, lead, and cyanide). The sediment sample collected from DW-3 contained contaminant concentrations in excess of SCDHS Action levels and VOCs in excess of Unrestricted Use SCOs and metals in excess of Industrial Use SCOs.

Based upon the analytical results and field observations, sediment contained in DW-3 would likely need to be disposed off-site as hazardous material. **Figure 5** depicts the location of the UIC structures.

1.2.8 Contaminant Fate and Transport

VOCs and metals were detected in one of the UIC structures at the site. The structure is not currently in use. Therefore, the migration of these contaminants is unlikely.

SVOCs and/or metals are present in surface soils at the site. Spread of SVOCs and metals within the surface soils at the site is likely a result of physical processes including wind dispersion and localized surface runoff of contaminated soils. Based upon site topography widespread dispersion as a result of overland flow is unlikely.

Chromium and lead were detected in one of the subsurface soil borings performed at the site. These metals were not detected in the other subsurface soil borings and it appears that the metals are localized. Given the depth they were detected and the depth to water at the site, dispersion of these metals is unlikely.

2.0 Identification and Development of Alternatives

2.1 Introduction

This section discusses developing objectives for the remediation of subsurface contamination and identifies potential alternatives to be considered for the final remediation.

The remedial action objectives (RAOs) are developed for the protection of human health and the environment, based on contaminant characterization, contaminant transport, a qualitative human exposure assessment, and compliance with applicable Standards, Criteria, and Guidance Values (SCGs). Then potential remedial alternatives are identified and evaluated to determine if they can meet the RAOs and SCGs for the site.

Alternatives that are listed in the initial identification are further evaluated as alternatives for site remediation in the following sections.

2.2 Remedial Action Objectives (RAOs)

The following subsections summarize the contaminants of concern, general locations of contaminants, and the RAOs for each of the identified media. These RAOs are based on the findings of the RI and the anticipated future use of the project site for commercial or residential purposes.

2.2.1 Surface Soil

Contaminants of concern detected in the surface soil consist of SVOCs and metals. The RAOs for this medium are to prevent exposure of human and environmental receptors to these contaminants via dermal contact, incidental ingestion, and inhalation of particulates, and to prevent the discharge of contaminated storm water runoff and eroded surface soil to off-site locations or into adjacent storm sewers.

2.2.2 Subsurface Soil

The contaminant of concern detected in the subsurface soil consists of chromium. The RAOs for this medium are to prevent the exposure of humans and environmental receptors to contaminated subsurface soil via dermal contact, and incidental ingestion or inhalation of particulates.

2.2.3 Groundwater

No contaminants of concern were identified in the groundwater. Metals detected in the groundwater are attributed to regional groundwater quality and do not pose a threat to humans and/or environmental receptors.

2.2.4 Sediments

Contaminants of concern detected in this medium consist of VOCs and metals. The RAOs for this medium are to prevent exposure of human and environmental receptors to these contaminants via dermal contact, incidental ingestion, and inhalation of particulates.

2.3 General Response Actions

General response actions for each of the affected media at the project site have been identified and are described in the following sections. Although these general response actions include no action as a remedial option, the "No Action" response action does not address the RAOs identified in the preceding section and is included for comparison purposes only.

2.3.1 *Surface Soil*

General response actions available to satisfy the RAOs identified for surface soil include:

- No Action
- Institutional Controls
- Excavation and off-site disposal

2.3.2 *Subsurface Soil*

General response actions available to satisfy the RAOs identified for subsurface soil include:

- No Action
- Institutional Controls
- Excavation and off-site disposal

2.3.3 *Sediments*

General response actions available to address the RAOs for sediment include:

- No Action
- Removal and disposal of sediments

2.4 Development of Alternatives

The general response actions identified in Section 2.3 have been assembled into a series of site-wide remedial action alternatives. The alternatives range from least comprehensive to most comprehensive as outlined in the following subsections.

2.4.1 *Alternative 1 – No Action*

Under this alternative, the project site would remain in its current state.

This alternative does not satisfy the human health or environmental RAOs for the current scenario, nor is it supportive of the redevelopment of the project site for commercial or residential use. This alternative has been included to provide a point of comparison for the other alternatives.

2.4.2 *Alternative 2 – Cover Installation and Removal of Sediment*

This alternative would include installation of a composite cap across the site and removal of sediments from DW-3 in excess of SCDHS Cleanup Objectives.

This remedy will allow for the site to be redeveloped for commercial or residential use, although the filing of an Environmental Easement / Deed Restriction and development of a Site Management Plan would be required to address any future invasive activities at the site.

The details of this alternative include:

- Clearing and grubbing
- Removal and off-site disposal of sediments from within DW-3 in accordance with SCDHS guidance
- Installation of a composite cover system across the entire site
- Filing of an Environmental Easement / Deed Restriction on the property that includes:
 - o Development of a Site Management Plan

- o Limitation on future development to Commercial or Restricted-Residential Uses
- o Requirements for annual certification of institutional and engineering controls

2.4.3 *Alternative 3 – Restricted-Residential Use Cleanup*

This alternative would include removal of surface soil across the site in excess of Restricted-Residential Soil Cleanup Objectives (RRSCOs) and removal of sediments from DW-3 in excess of SCDHS Cleanup Objectives.

This remedy will allow for the site to be redeveloped for Commercial or Restricted-Residential uses, although the filing of an Environmental Easement / Deed Restriction and development of a Site Management Plan would be required to address any future invasive activities at the site.

The details of this alternative include:

- Clearing and grubbing
- Removal and off-site disposal of surface soil from across the site that exceeds RRSCOs as shown in **Figure 4.**
- Removal and off-site disposal of sediments from within DW-3 in accordance with SCDHS guidance
- Installation of a composite cover system above remaining soil contamination area
- Filing of an Environmental Easement / Deed Restriction on the property that includes:
 - o Development of a Site Management Plan
 - o Limitation on future development to Commercial or Restricted-Residential Uses
 - o Requirements for annual certification of institutional and engineering controls

2.4.4 *Alternative 4 – Unrestricted Use Cleanup*

This alternative is the most comprehensive, involving the removal and off-site disposal of all soil that exceeds Unrestricted Use Soil Cleanup Objectives (UUSCOs) and removal of sediments from DW-3 in excess of SCDHS Cleanup Objectives.

The details of this alternative include:

- Clearing and grubbing
- Removal and off-site disposal of surface and subsurface soil from across the site that exceeds UUSCOs
- Removal and off-site disposal of sediments from within DW-3 in accordance with SCDHS guidance
- Backfilling excavations with clean, suitable material from an off-site source

3.0 Detailed Analysis of Alternatives

3.1 Introduction

This section details the Alternatives proposed in Section 2 and evaluates each with respect to the following nine criteria:

1. Overall Protection of Public Health and the Environment
2. Compliance with Standards, Criteria and Guidance
3. Short-Term Impacts and Effectiveness
4. Long-Term Effectiveness and Permanence
5. Reduction of Toxicity, Mobility, and Volume
6. Technical Feasibility and Reliability (Implementability)
7. Cost Effectiveness
8. Compatibility with Land Use

A brief description of each criterion is presented at the beginning of each subsection below. A ninth criterion, community acceptance, will be evaluated by the NYSDEC at the conclusion of the public comment period.

3.1.1 Overall Protectiveness of Public Health and the Environment

Overall protectiveness of public health and the environment assesses how well each alternative protects public health and the environment from exposure by reducing, controlling or eliminating risks. This would include protection for site employees or residents, the surrounding community, general construction and utility workers, and remedial workers during implementation of the alternative.

3.1.2 Compliance with Remedial Goals

Compliance with Remedial Goals, SCGs, and RAOs assess how effective each alternative is in achieving Remedial Goals, SCGs, and RAOs for the site.

3.1.3 Short Term Impacts or Effectiveness

Short-term impacts and effectiveness is an evaluation of the potential short-term adverse impacts and exposures to the public health and the environment during the construction and implementation phase of a remedy, with respect to the following factors: protection of the community and site workers, controlling adverse impacts to the public, and the time needed to achieve the remedial action objectives.

3.1.4 Long Term Effectiveness and Permanence

Long-term effectiveness and permanence assesses the extent and effectiveness of the remedy and the controls that may be required to manage the risk posed by residual contamination at the site. This includes an evaluation of the magnitude of risk which will remain at the conclusion of remedial activities and the adequacy and reliability of post remedial site controls, if required, to ensure continuing effectiveness.

3.1.5 Reduction of Toxicity, Mobility, or Volume

Reduction of toxicity, mobility, or volume through treatment evaluates the ability of the treatment technology to reduce the principal threats posed by the release.

3.1.6 Implementability

Implementability addresses the technical and non-technical feasibility of implementing an alternative, including the availability of necessary personnel and materials required and potential difficulties in obtaining specific operating approvals, access for construction, etc.

3.1.7 Cost-effectiveness

This criterion is an evaluation of whether the estimated costs for a remedy are proportional to the remedy's overall effectiveness, e.g., short- and long-term effectiveness, permanence, and ability to reduce the toxicity, mobility or volume of site-related contamination. Capital costs are considered the initial costs associated with the design and construction of the system. Direct capital costs include construction, equipment and materials, land acquisition, buildings and services, transport and disposal and analytical services. Indirect capital costs include engineering and design expenses, legal and administrative costs associated with placing institutional controls (ICs) on a property, and start-up and shake-down costs. Post-remedial site control (PRSC) costs are associated with the implementation of the remedy and include site management, operation and maintenance (O&M), monitoring, auxiliary materials and energy usage, and disposal of generated wastes. Total cost is the sum of both the capital and PRSC costs. The net present worth of all remedial action costs over time is provided by discounting all future costs to the current calendar year.

3.1.8 Compatibility with Land Use

This criterion is an evaluation of the current, intended and reasonably anticipated future use of the site and its surroundings, as it relates to an alternative or remedy, when unrestricted levels would not be achieved.

3.2 Individual Analysis of Alternatives

The evaluations of the criteria discussed above for each of the remedial alternatives are presented in the following sections and summarized in **Table 1**.

3.2.1 Alternative 1 – No Action

3.2.1.1 Overall Protectiveness of Public Health and the Environment;

Alternative 1 does not satisfy the RAOs or provide protection of public health and the environment because it does not eliminate the potential for exposure of the public, future construction workers and site residents to on-site contaminants.

3.2.1.2 Compliance with Remedial Goals, SCGs, and RAOs,

Alternative 1 does not comply with remedial goals, SCGs and RAOs for the site.

3.2.1.3 Short-Term Impacts and Effectiveness;

The short-term adverse impacts and exposure to the public and the environment during the implementation of Alternative 1 would be minimal. The only plausible exposure pathway's are by ingestion or dermal exposure by a trespasser, an SCDHS employee, or worker at the site.

3.2.1.4 Long-Term Effectiveness and Permanence;

Alternative 1 would not achieve long term effectiveness and permanence. Surface, subsurface soil and sediment with concentrations exceeding SCOs would remain at the site.

3.2.1.5 Reduction of Toxicity, Mobility or Volume through Treatment;

Alternative 1 does not actively reduce toxicity, mobility or volume.

3.2.1.6 Implementability

Alternative 1 does not present significant technical difficulties, however access to the site will continue to be restricted and the future development for the desired use would not be likely.

3.2.1.7 Cost-Effectiveness

There are no costs associated with Alternative 1.

3.2.1.8 Compatibility with Land Use

The proposed land use is residential; Alternative 1 restricts the use of the land. The alternative does not comply with the NYSDEC ERP goal for cleanup of contaminated land.

3.2.2 Alternative 2 – Cover Installation and Removal of Sediment

3.2.2.1 Overall Protectiveness of Public Health and the Environment;

Alternative 2 would achieve the RAOs for surface and subsurface soil and sediment but would not remove the soil contamination from the site. The contaminated sediments would be addressed. Development of a Site Management Plan (SMP), long-term O&M of the composite cover system, filing of an Environmental Easement (EE), and annual certification would be required. Future development for the proposed use would be complicated by the presence of the cover system and the EE.

3.2.2.2 Compliance with Remedial Goals, SCGs, and RAOs

A composite cover system would be placed over the contaminated soil to limit the potential for contact with the contaminated material. Additionally, this alternative involves the removal and off-site disposal of sediment from DW-3. However, contaminated soil would remain at the project site.

3.2.2.3 Short-Term Impacts and Effectiveness

The short-term adverse impacts and exposure to the public and the environment during the implementation of Alternatives 2 is minimal. Short-term exposure to on-site workers during clearing / grubbing, installation of the composite cover system, and removal and off-site disposal of sediment from DW-3 will be addressed with a health and safety plan (HASP) and mitigated through the use of personal protective equipment, monitoring and engineering controls (ECs). Potential short-term exposure to the surrounding community will be addressed through the use of odor and dust-suppression techniques and through the implementation of a community air monitoring plan (CAMP) which will require air monitoring activities during all excavation and soil disturbance activities.

3.2.2.4 Long-Term Effectiveness and Permanence

Alternative 2 achieves long term effectiveness and permanence by construction of a composite cover system at the site and restricting use of the site through an EE. Under this Alternative risk from soil impact is technically eliminated for on-site residents and off-site residents. However, the ability to enforce the ICs included in the EE which would protect future on-site residents is not realistic. This alternative is capable of meeting RAOs for soil in the future.

3.2.2.5 Reduction of Toxicity, Mobility or Volume through Treatment;

Alternative 2 will reduce the mobility of contaminants from on-site soil and sediment. Alternative 2 reduces the

toxicity of contaminants in the sediment. The toxicity of contaminants in the surface and subsurface soils will remain the same.

3.2.2.6 Implementability

Alternative 2 can be implemented using readily available and proven technologies. Both the technical and non-technical aspects of implementing this alternative are feasible. However, the ability to enforce the ICs included in the EE which would protect future on-site residents is not realistic.

3.2.2.7 Cost-Effectiveness

The cost estimate to implement Alternative 2 is estimated to cost the following:

Capital Costs	\$	843,128 (Includes a 20% contingency)
PRSC Costs	\$	175,166
Total Costs	\$	1,018,901

The capital costs for this estimate include the construction, equipment, materials, and indirect capital costs such as engineering and design expenses, and legal and administrative costs. The PRSC costs for this estimate include development of a SMP, O&M, monitoring, and annual certification for a minimum of 20 years.

3.2.2.8 Compatibility with Land Use,

Alternative 2 is compatible with respect to the proposed use for the site. However, ICs and an EE would be required and enforcement after development is not realistic. The alternative is protective of natural resources and cultural resources.

3.2.3 Alternative 3 – Restricted-Residential Use Cleanup

3.2.3.1 Overall Protectiveness of Public Health and the Environment

Alternative 3 would achieve the RAOs to RRSCOs for surface soil and sediment. The contaminated surface soil and sediments would be addressed. Development of a SMP, long-term O&M of a cover system may be required for remaining surface soil contamination and the contamination at 15 feet bgs which exceed UUSCOs, filing of an EE, and annual certification may be required. Future development for the proposed use would be complicated by the presence of the cover system and the EE.

3.2.3.2 Compliance with Remedial Goals, SCGs, and RAOs

The clean soil above the contaminated subsurface soil would act as a cover system to limit the potential for contact with the contaminated material. Additionally, this alternative involves the removal and off-site disposal of surface soil and sediment from DW-3. However, contaminated soil above UUSCOs would remain at the project site.

3.2.3.3 Short-Term Impacts and Effectiveness

The short-term adverse impacts and exposure to the public and the environment during the implementation of Alternatives 3 is minimal. Short-term exposure to on-site workers during excavation and loading activities will be addressed with a HASP and mitigated through the use of personal protective equipment, monitoring and engineering controls. Potential short-term exposure to the surrounding community will be addressed through the use of odor and dust-suppression techniques and through the implementation of a CAMP which will require air

monitoring activities during all excavation and soil disturbance activities.

3.2.3.4 Long-Term Effectiveness and Permanence

Alternative 3 achieves long term effectiveness and permanence by having a cover system at the site and restricting use of the site through an EE. Under this Alternative, risk from soil impact is eliminated for on-site residents and off-site residents. However, the ability to enforce the ICs included in the EE which would protect future on-site residents may be difficult. This alternative is capable of meeting RAOs for soil in the future.

3.2.3.5 Reduction of Toxicity, Mobility or Volume through Treatment

Alternative 3 will reduce the mobility, volume and toxicity of contaminants from on-site surface soil and sediment. However, deep subsurface soil contamination would remain.

3.2.3.6 Implementability

Alternative 3 can be implemented using readily available and proven technologies. Both the technical and non-technical aspects of implementing this alternative are feasible. However, the ability to enforce the ICs included in the EE which would protect future on-site residents may be difficult.

3.2.3.7 Cost-Effectiveness,

The cost estimate to implement Alternative 3 is estimated to cost the following:

Capital Costs	\$	1,470,587(Includes a 20% contingency)
PRSC Costs	\$	<u>175,166</u>
Total Costs	\$	1,645,753

The capital costs for this estimate include the construction, equipment, materials, waste disposal, and indirect capital costs such as engineering and design expenses, and legal and administrative costs. The PRSC costs for this estimate include development of a SMP, O&M, monitoring, and annual certification for a minimum of 20 years.

3.2.3.8 Compatibility with Land Use,

Alternative 3 is compatible with respect to the proposed land uses in the vicinity of the site. The proposed use is consistent with existing zoning designations for the property and consistent with development patterns. However, ICs and an EE would be required and enforcement after development may be difficult. The alternative is consistent with the NYSDEC ERP goal for cleanup of contaminated land and brings the property into productive use. The alternative is protective of natural resources and cultural resources.

3.2.4 Alternative 4 – Unrestricted Use Cleanup

3.2.4.1 Overall Protectiveness of Public Health and the Environment

Alternative 4 would achieve the RAOs for surface soil, subsurface soil and sediment.

3.2.4.2 Compliance with Remedial Goals, SCGs, and RAOs

Alternative 4 could meet compliance with remedial goals, SCGs and RAOs for the site by meeting UUSCOs.

3.2.4.3 Short-Term Impacts and Effectiveness

The short-term adverse impacts and exposure to the public and the environment during the implementation of Alternatives 4 is minimal. Short-term exposure to on-site workers during excavation and loading activities will be addressed with a HASP and mitigated through the use of personal protective equipment, monitoring and

engineering controls. Potential short-term exposure to the surrounding community will be addressed through the use of odor and dust-suppression techniques and through the implementation of a CAMP which will require air monitoring activities during all excavation and soil disturbance activities.

3.2.4.4 Long-Term Effectiveness and Permanence

Alternative 4 achieves long term effectiveness and permanence by removing soils affected by site contaminants above unrestricted use objectives. Under this Alternative, risk from soil impact is eliminated for future on-site residents and off-site residents. This alternative will continue to meet RAOs for soil in the future, providing a permanent long-term solution for the site.

3.2.4.5 Reduction of Toxicity, Mobility or Volume through Treatment

Alternative 4 will permanently eliminate the toxicity, mobility, and volume of contaminants from on-site surface soil, subsurface soil and sediment by meeting unrestricted use objectives.

3.2.4.6 Implementability

Alternative 4 can be implemented using readily available and proven technologies. Both the technical and non-technical aspects of implementing this alternative are feasible.

3.2.4.7 Cost-Effectiveness,

The cost estimate to implement Alternative 4 is estimated to cost the following:

Capital Costs	\$	2,034,441(Includes a 20% contingency)
PRSC Costs	\$	<u>0</u>
Total Costs	\$	2,034,441

The capital costs for this estimate include the construction, equipment, materials, waste disposal, and indirect capital costs such as engineering and design expenses, and legal and administrative costs. There should be no PRSC costs as this alternative will result in no further waste generation or monitoring.

3.2.4.8 Compatibility with Land Use,

Alternative 4 is compatible with respect to the proposed land use and to land uses in the vicinity of the site. The proposed use is consistent with existing zoning designation for the property and consistent with development patterns. The alternative is consistent with the NYSDEC ERP goal for cleanup of contaminated land and brings the property into productive use. The alternative is protective of natural resources and cultural resources.

3.3 Comparative Analysis

In this section, the alternatives undergo a comparative analysis to identify the advantages and disadvantages of each alternative in relation to one another and the evaluation criteria.

3.3.1 Overall Protectiveness of Public Health and the Environment;

Alternative 4 would achieve RAOs for soil and sediment at the site. Alternative 1 does not provide any protection to the public health and the environment. Alternatives 2 and 3 do not eliminate all of the contaminated media at the site or exposure to future on-site residents. Alternative 3 provides significantly more protection than Alternative 2. However, an SMP, long-term O&M of a cover system, filing of an EE, and annual certification may be required for alternatives 2 and 3.

3.3.2 Compliance with Remedial Goals, SCGs, and RAOs,

Alternative 4 meets compliance with the remedial goals, SCGs and RAOs. Alternatives 2 and 3 comply with some of the remedial goals, SCGs and RAOs. However, alternatives 2 and 3 require the implementation of ICs to meet these goals. Implementation of the ICs for alternative 2 and 3 may be difficult if the future use is residential. Alternative 1 does not comply with the remedial goals, SCGs and RAOs.

3.3.3 Short-Term Impacts and Effectiveness;

The short-term adverse impacts and exposure to the public and the environment during the implementation of each alternative is minimal and can be addressed with site specific HASP and CAMP. Alternatives 3 and 4 would require the most time to implement and require the most ECs during remediation.

3.3.4 Long-Term Effectiveness and Permanence;

Alternatives 3 and 4 would achieve long-term effectiveness and permanence by permanently removing soils to meet RAOs respectively. However, surface soils above UUSCOs and subsurface soil (15 feet bgs) would remain under alternative 3. Alternatives 2 and 3 would unlikely achieve long-term effectiveness and permanence due to the difficulties in enforcing future inhabitants to follow ICs established for the site if the site is residential.

3.3.5 Reduction of Toxicity, Mobility or Volume through Treatment;

Alternative 4 will permanently eliminate the toxicity, mobility, and volume of contaminants from on-site soil by excavation and off-site disposal. Alternatives 2 and 3 will eliminate the mobility and volume of contaminants in the soils at the site. Alternative 1 provides no reduction in the toxicity, mobility or volume of contaminants.

3.3.6 Implementability;

Alternative 2, 3 and 4 can be implemented relatively easily with readily available equipment and technologies.

3.3.7 Cost-Effectiveness,

Based upon a comparison of the estimated total costs for the four alternatives, (Alternative 1 @ \$0, Alternative 2 @ \$1.02 million, Alternative 3 @ \$1.65 million, and Alternative 4 @ \$2.03 million), no action is the most cost effective alternative. Alternative 2 is the second most cost effective alternative. However, there are potential issues with implementation of long-term ICs after development. Alternative 3 is the third most cost effective alternative. However, subsurface contamination will remain and ICs and an EE will be required. Alternative 4 is the most costly alternative but does not require any ICs and/or an EE.

3.3.8 Compatibility with Land Use,

Alternative 1 is not compatible with the proposed land use. Alternative 2 has potential issues with proposed land use. Alternative 3 has limited issues (contaminated subsurface soils) with the proposed land use. Alternative 4 has no issues with the proposed land use.

3.4 Alternative Ratings

Table 1 summarizes the comparative evaluation of the remedial alternatives, which includes ratings for each of the criteria mandated by 6 NYCRR Part 375. The comparison of the alternatives is based upon a qualitative system that utilizes relative ratings of high, medium, and low to define each alternative's performance with respect to 6 NYCRR Part 375 criteria and the proposed future land use. These ratings are equated to a numerical scale to produce a numerical score.

RATING	DESCRIPTION	NUMERICAL RATING
HIGH	SATISFIES CRITERIA TO A HIGH DEGREE	3
MEDIUM	SATISFIES CRITERIA TO A MODERATE DEGREE	2
LOW	MINIMALLY SATISFIES CRITERIA	1

As reflected by Table 1, Alternative 4 has been identified as the most effective alternative. Alternative 4 is also the most costly of the evaluated alternatives. Alternative 3 has also been identified to be a highly effective alternative and is slightly more cost effective than Alternative 4. Both alternatives would result in a site that is suitable for the proposed future use.

4.0 APPLICANT PREFERRED ALTERNATIVE

Based upon the findings of the RI, the location and depth of the contaminants, and the future use of the site, the applicant prefers Alternative 3 as the proposed remedy.

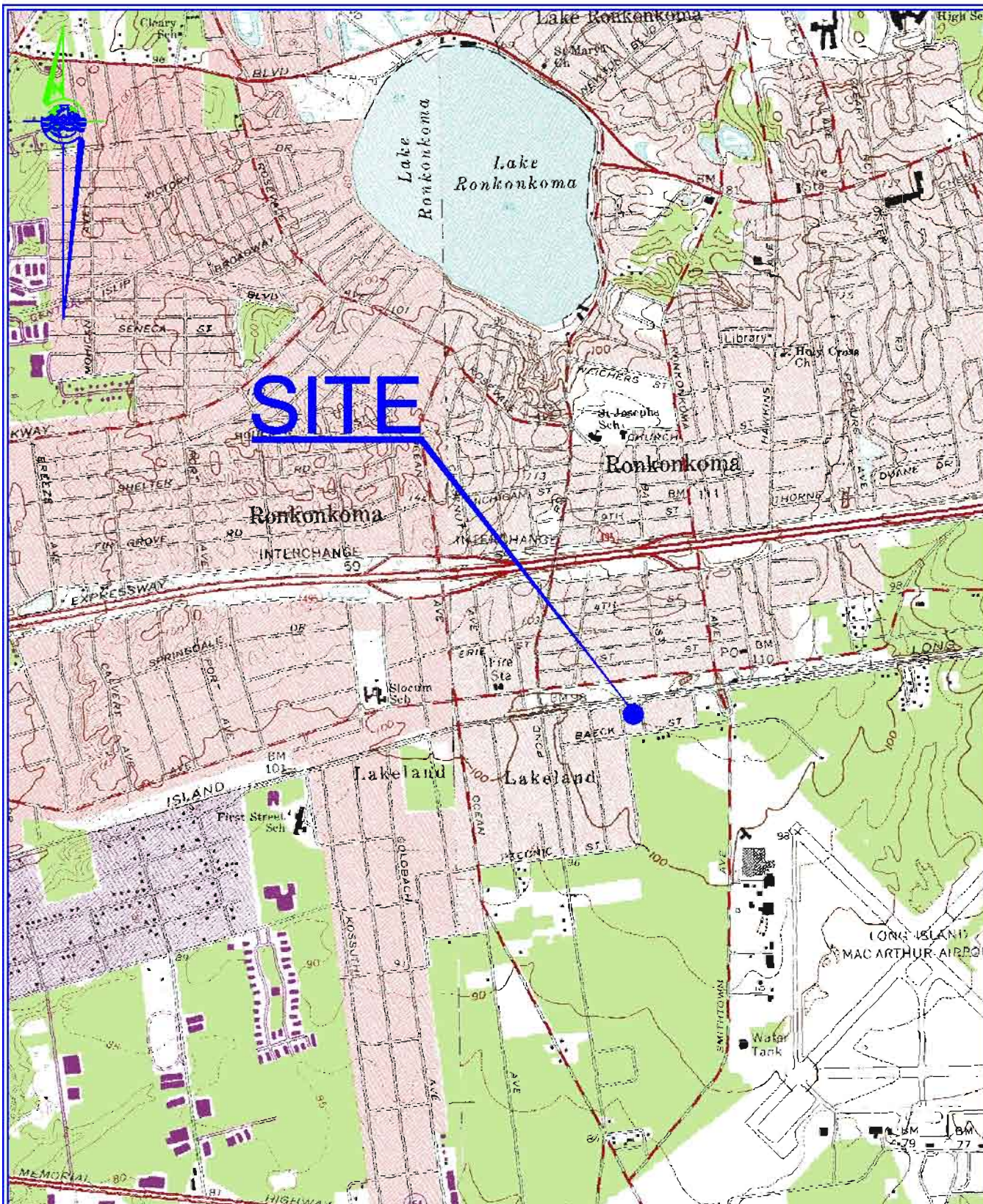
Alternative 3 is protective of the public health and environment, compliant with Remedial Goals, SCGs and RAOs for the site to Restricted-Residential use, has proven technology to ensure long-term effectiveness and permanence, reduces the toxicity, mobility and volume of the contamination, has minimal short-term impacts, is readily implementable, and is cost effective compared to the other alternatives. Based upon the strengths of the alternative, the protection of public health based upon the proposed future use and environment aspects, and the minimal visual impact created by the alternative, community acceptance of this alternative should be strong.

As detailed in the sections above, this alternative would achieve RAOs by implementing the following tasks:

- Remove and off-site disposal of surface soils in excess of RRSCOs
- Removal and off-site disposal of sediment in excess of SCDHS Cleanup Objectives

The specific design and specifications of the remedial alternative will be more fully detailed in the Remedial Action Work Plan for the site.

FIGURES



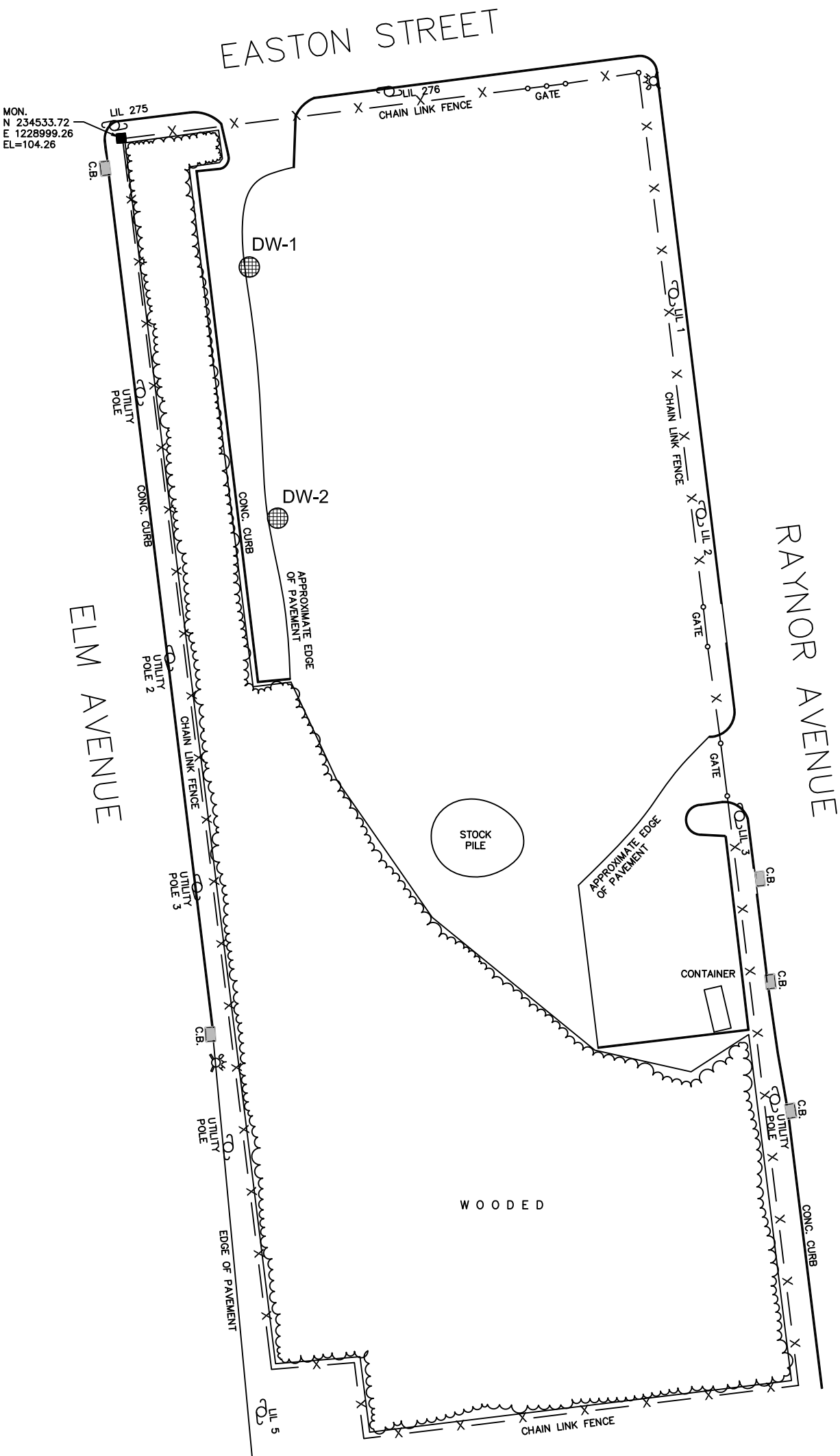
VICINITY MAP

SCALE = 1:24,000

Mapped, edited, and published by the Geological Survey
Revised in cooperation with New York
Department of Transportation

Control by USGS, USCG&OS, and New Jersey Geodetic Survey

J:\Projects S-2\SHD1002 - Ronkonkoma Wallpaper\CAD\Vicinity Map.dwg (8x11V) Sep 18, 2010 3:15pm By: guzman

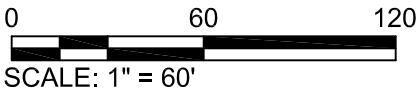


DRYWELL

DRAWING PROVIDED BY:
YOUNG & YOUNG
400 OSTRANDER AVENUE
RIVERHEAD, NY 11901
DATE OF SURVEY: 03/16/2010

SITE PLAN

SCALE: 1" = 60'



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SHEET TITLE

SITE PLAN

934 EASTON STREET
RONKONKOMA, NY

FIGURE NO.

2

SHEET

OF



COMPOUND	0-2"	6-8"	12-14"
BARIUM	90	505	1090

COMPOUND	0-2"	6-8"	12-14"
BARIUM	2,320	1,850	365

COMPOUND	0-2"	6-8"	12-14"
BARIUM	1,180	397	279

COMPOUND	0-2"	6-8"
BARIUM	12,100	253
COPPER	1,490	30.2
LEAD	991	36.3

COMPOUND	0-2"	6-8"	12-14"
BARIUM	12,400	4,360	1,030
COPPER	787	298	68.5
LEAD	2,210	814	138

 MONITORING WELL
MW-1 LOCATIONS

 DRYWELL
 SS-10 SURFACE SAMPLE
 LOCATIONS

SB-1 SUB-SURFACE SAMPLE LOCATIONS

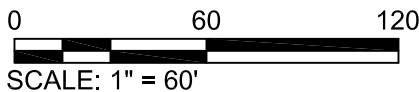
200 CONCENTRATION
EXCEEDING RRSCOS

100 CONCENTRATION BELOW
RRSCOS

COMPOUND	0-2"	6-8"
BARIUM	3,870	324
LEAD	434	43.8

W O O D E D

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SHEET TITLE

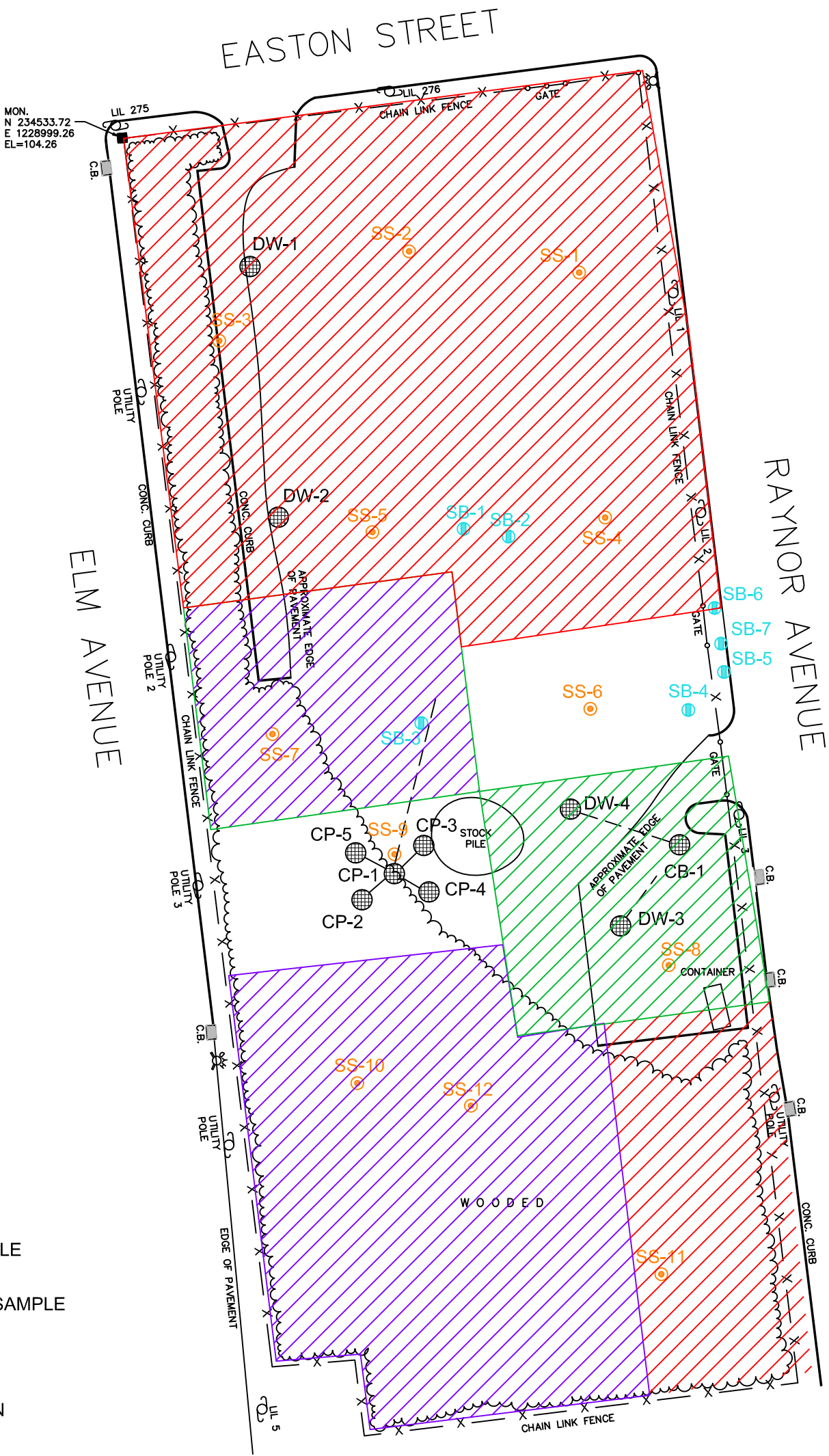
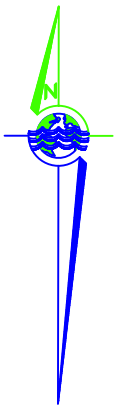
SURFACE /
SUB-SURFACE SOIL
SAMPLE LOCATIONS

934 EASTON STREET
RONKONKOMA, NY

FIGURE NO

SHEET

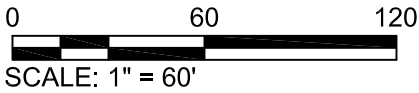
DE



LEGEND

- DRYWELL
- SS-10 SURFACE SAMPLE LOCATIONS
- SB-1 SUB-SURFACE SAMPLE LOCATIONS
- 6" EXCAVATION AREA 45,220 SF
- 12" EXCAVATION AREA 13,114 SF
- 24" EXCAVATION AREA 69,469 SF

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SHEET TITLE

EXCAVATION AREAS
934 EASTON STREET
RONKONKOMA, NY

FIGURE NO

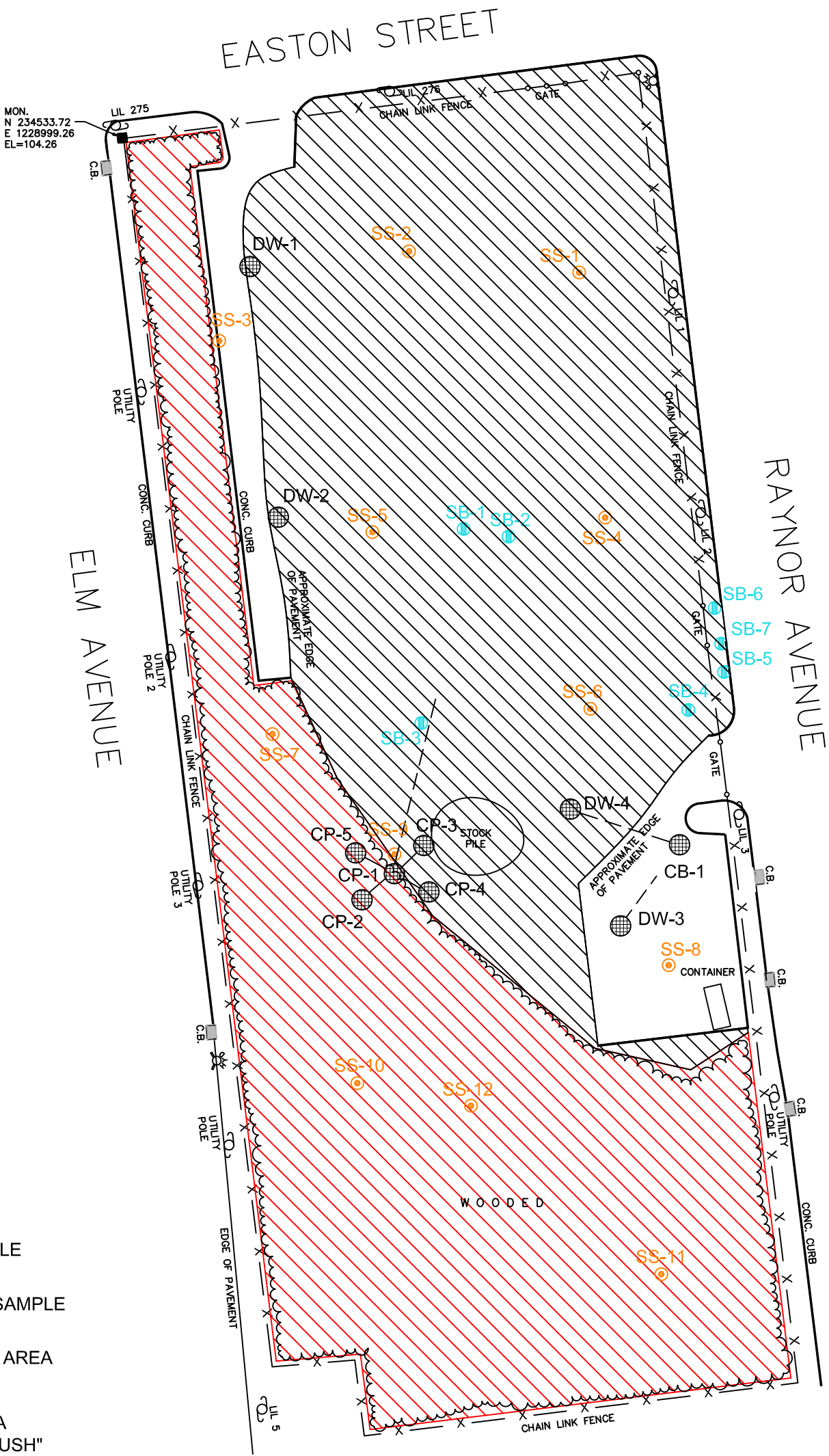
4

SHEET

OF

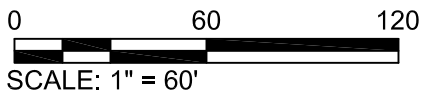
REVISION		DATE	INITIAL	COMMENTS
DRAWING INFORMATION				
PROJECT:	SHD1202	APPROVED BY:	AL	
DESIGNED BY:	DNE	DATE:	11/20/12	
DRAWN BY:	MK	SCALE:	AS SHOWN	

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	DRYWELL
	SURFACE SAMPLE LOCATIONS
	SUB-SURFACE SAMPLE LOCATIONS
	TREE REMOVAL AREA 59,283 SF
	GRUBBING AREA "LOW UNDERBRUSH" 71,228 SF

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DATE OF SURVEY: 03/16/2010



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TABLES

Table 1

ALTERNATIVE	EFFECTIVENESS					RELIABILITY/IMPLEMENTABILITY	Land Use	Rating	COST
	Overall Protection of Public Health and the Environment	Compliance with Standards, Criteria & Guidance (SCG)	Long Term Effectiveness and Permanence	Reduction of Toxicity, Mobility, or Volume Through Treatment	Short Term Effectiveness	Technical Feasibility and Reliability	Compatibility with Land Use	Average	Present Worth
<i>Rating</i> Alternative 1: No Action	1 Does not provide protection	1 Does not comply	1 Not effective	1 Does not actively reduce toxicity, mobility or volume.	1 Minimal human exposure risk identified	1 Limits access and development of site	1 Restricts the use of land.	1	\$0.00
<i>Rating</i> Alternative 2: Cover Installation and Removal of Sediment	1 Provides minimal protection	1 Does not comply	1 Minimally effective, enforcement issues with lcs	2 Reduces mobility but does not actively reduce toxicity or volume of soil.	2 Reduces human exposure risk	1 Ability to enforce ICs of EE may be complicated if residential	2 Compatible with proposed land use. However, a SMP, ICs and an EE will be required.	1.4	\$900,000- \$1,100,000
<i>Rating</i> Alternative 3: Restricted-Residential Use Cleanup	2 Provides protection	2 Complies with RRSCOs	3 Effective due to removal of contaminants and containment of Subsurface Soils	2 Reduces mobility, toxicity and volume of soil.	2 Reduces human exposure risk	1 Ability to enforce ICs of EE may be complicated if residential	3 Compatible with proposed land use. However, a SMP, ICs and an EE will be required.	2.1	\$1,600,000 - 1,800,000
<i>Rating</i> Alternative 4: Unrestricted Use Cleanup	3 Provides protection	3 Complies with UUSCOs	3 Effective due to removal of contaminants	3 Will reduce toxicity, mobility and volume.	3 Eliminates human and environmental exposure risk	3 Department may require demonstration of clean soils to bedrock	3 Compatible with proposed land use.	3	\$2,000,000 - 2,200,000

Note:

Rating	Description	Numerical Rating
High	Satisfies Criteria to a high degree	3
Medium	Satisfies Criteria to a moderate degree	2
Low	Minimally satisfies criteria	1