P.W. GROSSER CONSULTING

August 19, 2009

Nathan E. Putnam, NYSDEC
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway, 11th Floor
Albany, N.Y. 12233-7015

Re: Interim Remedial Measure (IRM) Report – Revised (Site No. 1-30-034), Former Penetrex Processing, Inc., Glenwood Landing, New York

Dear Mr. Putnam:

P.W. Grosser Consulting, Inc. (PWGC) has prepared the enclosed revised Interim Remedial Measure (IRM) Report for the former Penetrex Processing Facility located at 1 Shore Road, Glenwood Landing, New York, to address the comments promulgated by the New York State Department of Environmental Conservation (NYSDEC) in a letter dated August 7, 2009 (attached).

Should you have any questions, or require further information, please do not hesitate to contact me.

Very truly yours,
P.W. Grosser Consulting, Inc.

John D. Eichler
Project Manager

James P. Rhodes, CPG
Vice President

Cc: G. Bobersky, NYSDEC
S. Messier, NYSDOH
W. Parrish, NYSDEC
D. Yudelson, Esq.
L. Weinberger, Esq.

ACEC
American Council of Engineering Companies
Peer Reviewed Member

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Alexander B. Grannis
Commissioner

August 7, 2009

RECEIVED
AUG 12 2009
BY:

Mr. John Eichler
P.W. Grosser Consulting Engineers P.C.
630 Johnson Avenue, Suite 7
Bohemia, NY 11716

Re: Penetrex Processing Company
Site No. 130034
Nassau County

Dear Mr. Eichler:

The New York State Department of Environmental Conservation, NYSDEC, has reviewed your June 2009 Interim Remedial Measure Report. Please address the following comments:

- Please remove the language recommending the elimination of metals analysis. The concentrations of metals in the groundwater exceed the groundwater drinking standards. Groundwater samples must continue to be analyzed for metals contamination.

- Please correct Table 3 and 4 to indicate that the NYSDEC drinking water standards are in micrograms per liter not milligrams per liter. Additionally please check that the listed standards are for drinking water, some of them are listed incorrectly, e.g., the standard for Barium is 1000 micrograms per liter not 2000 micrograms per liter.

- Please adjust the last sentence in Section 1.3.5 Indoor Air Sampling Report to indicate the sub-slab depressurization system was installed due to the potential for soil vapor intrusion to occur, not to mitigate the existence of the sub-slab volatile organic compounds.

Please submit a revised report to the NYSDEC within 20 business days of your receipt of this letter.

Sincerely,

Nathan E. Putnam
Project Manager
Section A

cc: D. Yudelson, Esq.
L. Weinberger
R. Weitzman, NCDOH

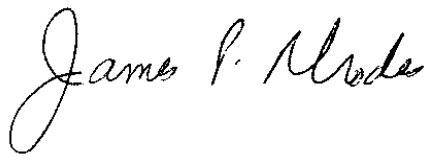
ec: G. Bobersky, NYSDEC
W. Parish, NYSDEC
S. Shearer, NYSDOH

P.W. GROSSER CONSULTING, INC.
PROJECT No. PEN0001

INTERIM REMEDIAL MEASURE REPORT

1 SHORE ROAD
GLENWOOD LANDING, NEW YORK
Site # 1-30-034

Revised August 2009



James P. Rhodes, P.G.
Vice President
P.W. Grosser Consulting, Inc.

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1.0 INTRODUCTION

1.1 Project Background

This Interim Remedial Measure (IRM) Report has been prepared by P.W. Grosser Consulting Inc. (PWGC), on behalf of Glenwood Realty of Roslyn, New York, for the property located at 1 Shore Road, Glenwood Landing, New York (a Site Location Map is included as **Figure 1**). The site is currently listed as a New York State Department of Environmental Conservation (NYSDEC) Class II inactive hazardous waste site identified as I.D. No. 130034. This report details IRM activities including the installation of monitoring wells, baseline sampling of the site's monitoring wells, chemical oxidant injection, and post-injection monitoring well sampling.

One commercial structure and one residential structure are located at the site. The commercial structure is utilized by a wholesale warehouse, a fitness center, and a church organization. The residential structure is a house which is separated into two apartments.

A former dry cleaning business, known as Penetrex Processing, Inc. (Penetrex), is reported to have operated at the site for several years prior to abandoning the facility in 1984. During its operation at the site, Penetrex is reported to have discharged dry cleaning chemicals to an on-site sanitary system and/or drywells at the property. A manufacturer of adhesive nameplates known as the Nameplate Corporation also formerly occupied the site.

In 1984, the Nassau County Department of Health (NCDH) sampled an on-site drywell associated with the former Penetrex facility and determined that constituents of dry-cleaning solvents, trichloroethene (TCE) and tetrachloroethene (PCE), were present in soils at the base of the structure. The impacted drywell was subsequently remediated in 1985 under a summary abatement order, completed by K&W Associates (property owner).

Additional testing and site characterization, which included the installation of six (6) soil borings and four (4) monitoring wells, soil and groundwater sampling, and air monitoring, were performed at

the property in 1989 and 1990 by Blasland and Bouck Engineers under purview of the New York State Department of Conservation (NYSDEC) as part of a PRP (potentially responsible party) Study.

In 1993, Lawler, Matusky and Skelly Engineers (LMS) installed two additional monitoring wells at the site (at the direction of the NYSDEC) and performed additional groundwater sampling at the facility in an effort to confirm the direction of groundwater flow underlying the property and the extent of dissolved VOCs in on-site groundwater. LMS had concluded in their 1993 NYSDEC Inactive Hazardous Waste Site (IHWS) report for the Penetrex Processing site that "an ongoing discharge or continued release from residual waste in the soils . . . from several contaminant source locations on the site . . . appear to remain as a continuing source of groundwater contamination."

PWGC began a Remedial Investigation (RI) in November 2001 at the site to obtain information necessary to determine the need for a remediation. The RI included a soil boring program and sampling of the existing monitoring wells. The sanitary system located to the west of the commercial structure was successfully remediated in response to the results of the soil boring program.

A vertical profile groundwater investigation and a soil gas investigation were conducted at the site in October 2003 through January 2004 in response to the results of the initial groundwater investigation. Results of these investigations indicated elevated concentrations of volatile organic compounds (VOCs) associated with chlorinated solvents.

Based on the results of the October 2003 vertical profile groundwater investigation, shallow soil vapor sampling was required at locations near the commercial building and residential house. Results of the soil vapor sampling indicated elevated concentrations of chlorinated solvents. Based on these results, the NYSDEC required a sub-slab vapor and indoor air investigation in August 2005. A second round of indoor air sampling was conducted in May 2006. Indoor air VOC concentrations were within acceptable levels. However, elevated concentrations of VOCs were detected in sub-slab samples.

Based on the elevated sub-slab vapor concentrations, the NYSDEC in conjunction with the New York State Department of Health (NYSDOH) required the installation of sub-slab depressurization systems (SSDS) in each of the two site structures. Installation of the SSDS was completed in 2007.

The October 2003 Groundwater Investigation was expanded in December 2004 with the installation of one additional groundwater vertical profile and three additional monitoring wells. In order to further delineate the area of impact, additional soil and groundwater sampling was conducted in August 2006. As part of this investigation, a geophysical investigation was conducted at the site in June 2006 in an attempt to locate underground structures which may be acting as sources of the site's contamination. UIC structures were detected and subsequently abandoned. However, based on analytical results, these structures were not identified as sources of contamination.

The RI concluded that residual levels of volatile organic compounds (VOCs) in groundwater remain in the area of the eastern portion of the parking lot. The VOCs are likely due to former discharges of PCE to sanitary leaching pool DW-5 and to storm water leaching pool DW-1. The IRM includes the installation of supplemental monitoring wells and the injection of a chemical oxidant solution to oxidize impact located in the site's groundwater.

1.2 Site Location and Description

The subject site consists of an approximately one-acre parcel located on the east side of Shore Road in the Hamlet of Glenwood Landing, Town of North Hempstead, Nassau County, New York. A site plan is included as **Figures 1**. The property is identified in Nassau County Tax maps as Section 20 - Block K - Lots 10 through 12. The property is improved with a two-story brick industrial building, a three-story wood-frame house, asphalt parking, communications tower and other ancillary improvements.

The property is bounded to the west by Shore Road and to the east by West Street. The area to the east of West Street is developed with residential houses. The site is generally located north of Scudders Lane and is situated near and adjoining several major oil storage facilities, coastal terminals, and a municipal power station near Hempstead Harbor. Glenwood Oil Terminal Corp. is located northwest, diagonally across the property.

1.3 Summary of Previous Investigations

Numerous environmental investigations, remedial studies, and remedial actions have been performed by PWGC at the site and are documented in the NYSDEC file including the following:

- Remedial Investigation Report, 1 Shore Road, Glenwood Landing, PWGC, August 2002
- Interim Groundwater Investigation Report, 1 Shore Road, Glenwood Landing, PWGC, March 2004 (Addendum, August 2004)
- Final Groundwater Investigation / Soil Gas Sampling Report, 1 Shore Road, Glenwood Landing, PWGC, April 2005 (Revised October 2005)
- Sub-Slab Vapor & Indoor Air Investigation Report, 1 Shore Road, Glenwood Landing, PWGC, November 2005
- Indoor Air Sampling Report, 1 Shore Road, Glenwood Landing, PWGC, June 2006
- Subsurface Investigation Report, 1 Shore Road, Glenwood Landing, PWGC, November 2006
- Sub-Slab Depressurization System Testing and As Built Drawing, 1 Shore Road, Glenwood Landing, PWGC, August 2007

1.3.1 Remedial Investigation Report

A remedial investigation (RI) was conducted at the site in November 2001 to obtain information necessary to determine the need for remediation at the site. The remedial investigation consisted of a file search (Town of North Hempstead Building Department), site reconnaissance, a soil boring program, the collection and analysis of soil samples, and the collection and analysis of groundwater samples from the four (4) existing on-site monitoring wells.

An underground injection control (UIC) investigation and remediation was performed in response to the results obtained from the soil boring program. This UIC program successfully dealt with soil issues identified during the investigation, and the site has received closure regarding those UIC issues from the Nassau County Department of Health (NCDH) and the United States Environmental Protection Agency (USEPA). Findings from the RI are presented in the Remedial Investigation Report, PWGC, August 2002 and the Storm Drain and Sanitary Leaching Pool Remediation and Closure Report, PWGC, September 2003, each previously submitted under separate cover.

Analytical results from the monitoring well sampling indicated elevated concentrations of VOCs associated with chlorinated solvents in the site's groundwater. Based on this, the NYSDEC required further groundwater investigation.

1.3.2 Interim Groundwater Investigation Report

A groundwater investigation was performed at the site from October 2003 through January 2004 at the request of the NYSDEC and as part of the Remedial Investigation to delineate the horizontal and vertical extent of the dissolved VOCs and to determine if additional investigation/remediation was warranted. Based on the results of the soil boring investigation and monitoring well sampling that was performed as part of the remedial investigation, and correspondence with the NYSDEC, eight locations were chosen for vertical profile groundwater sampling. These vertical profiles were also performed to confirm the location and the depths for additional permanent monitoring wells. The samples were collected in accordance with the protocol established in the Preliminary Remedial Investigation Report, PWGC, July 2002, submitted under separate cover. Results are detailed in the Interim Groundwater Investigation Report, PWGC, March 2004, previously submitted under separate cover.

1.3.3 Groundwater Investigation / Soil Gas Sampling Report

Based on the results of the October 2003 vertical profile groundwater investigation results, one additional temporary groundwater vertical profile well and three permanent groundwater monitoring wells were installed at the site. In addition, four soil gas points were installed as a result of a request by the NYSDEC to address concerns regarding soil vapor intrusion.

Typically, the greatest concentrations of VOCs detected in the groundwater across the site were found at the water table. To further delineate the groundwater contamination at this location, and to confirm the results from the Interim Groundwater performed in October 2003-January 2004, an additional temporary vertical profile was installed and sampled in accordance with the protocol established in the Interim Groundwater Investigation Report, PWGC, March 2004, submitted under separate cover.

Three permanent monitoring wells were constructed on December 28, 2004, to monitor the contamination detected in the groundwater beneath the site. Following installation and development, sampling of the new and existing wells was performed. Groundwater sampling was performed on January 19, 2005. VOCs were detected above the NYSDEC Groundwater Standards in each of the samples collected, with the exception of MW-6, which is located down-gradient of the site, across Shore Road.

To address the NYSDEC's concerns regarding soil vapor intrusion into the adjacent buildings, PWGC conducted soil gas sampling at the following locations:

- SG-1 - 10 feet from the former Nameplate / former Parabit portion of the building;
- SG-2 - 10 feet from the former Penetrex portion of the building (Sunnyside Up Parties) and to the north of GW-7;
- SG-3 - conducted near the boundary, between GW-7 and the residence to the south;
- SG-4 - 10 feet from the residence.

Soil gas sampling points were installed on December 20, 2004 in accordance with procedures described in the Revised Addendum to the March 2004 Interim Groundwater Investigation Report prepared by PWGC and approved by the NYSDEC.

Analytical results were compared to the USEPA Target Shallow Soil Gas Concentrations as specified in the USEPA's Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils. Analytical Results indicated elevated concentrations of chlorinated VOC vapors in the subsurface of the site. Results are detailed in the Groundwater / Soil Gas Investigation Report, PWGC, April 2005, submitted under separate cover.

1.3.4 Sub-Slab Vapor & Indoor Air Investigation Report

In August 2005, a Sub-Slab Vapor and Indoor Air Sampling Investigation was conducted at the request of the NYSDEC to address concerns regarding soil vapor intrusion into the on-site buildings.

PWGC conducted sub-slab vapor, indoor air, and outdoor air sampling at the following locations:

- SS-1 (Sub-Slab-1) and IA-1 (Indoor Air-1) - the office of Landing Wholesale;
- SS-2 and IA-2 - the warehouse of Landing Wholesale;
- SS-3 and IA-3 - Sunnyside-Up Parties;
- SS-4 and IA-4 - Parabit Manufacturing;
- SS-5 and IA-5 - the basement of the on-site residence;
- IA-6 - the church/religious organization located upstairs from Sunnyside-Up Parties;
- OA-1 (Outdoor Air-1) - 15 feet to the southwest of the industrial building;
- OA-2 - 20 feet to the southwest of the residence.

Sub-slab vapor sampling points were installed on August 25, 2005, in accordance with procedures described in the Revised Sub-Slab Vapor and Indoor Air Sampling Plan, June 2005, prepared by PWGC and approved by the NYSDEC.

Sub-slab vapor and indoor air sampling was conducted by PWGC on August 26, 2005, the day after sub-slab sampling point installation, under the supervision of a NYSDEC representative. Samples were collected directly into six-liter, laboratory supplied Summa® canisters attached to a sampling tube. Indoor air samples were collected to characterize exposures to air within the on-site buildings.

Analytical results indicated elevated concentrations of chlorinated VOCs in the sub-slab vapor samples, but very low concentrations in the indoor air samples. Results are detailed in the Sub-Slab Vapor and Indoor Air Investigation Report, PWGC, November 2005, submitted under separate cover.

The NYSDEC required an additional round of indoor air sampling during the heating season, when vapor intrusion is most likely to occur.

1.3.5 Indoor Air Sampling Report

An additional round of indoor air sampling was conducted at the site in May 2006 to determine if indoor air VOC concentrations remained within target concentrations during the heating season, when the potential for vapor intrusion is the greatest.

Analytical results of the sampling confirmed that indoor air VOC concentrations remained within target concentrations during the heating season. Despite the absence of vapor intrusion at the site, the NYSDEC required installation of sub-slab depressurization systems (SSDS) in both on-site buildings due to the potential for soil vapor intrusion to occur.

1.3.6 Subsurface Investigation Report

A subsurface investigation was conducted in June, August, and September 2006 to locate potential sources of VOC contamination at the site and to further delineate the horizontal and vertical extent of impacted material. The investigation consisted of a geophysical survey, a soil boring program, and vertical profile groundwater sampling.

The geophysical survey detected several subsurface anomalies at the site. The anomalies were excavated. Three of the anomalies were found to be leaching pools and were subsequently sampled and abandoned following NCDH and USEPA procedures. A fourth anomaly was uncovered and found to be miscellaneous metal debris. A soil sample was collected from this test pit and submitted to the laboratory for analysis.

Soil and groundwater analytical results were used to delineate the extent of impact. Based on the results, the impacted area of contamination appears to be centered around storm drain DW-1 and sanitary leaching pool DW-5, in the eastern portion of the parking lot. Total detected VOC concentrations are indicated on **Figure 3**.

1.3.7 Sub-Slab Depressurization System Testing and As Built Drawing

Communication tests were performed on the residential SSDS and the commercial SSDS in April and June 2007, respectively. The communication tests confirmed the effectiveness of the systems, that a negative pressure was created to draw out vapors from beneath the slabs of the structures. Based on the tests, the SSDS effectively mitigate the potential for vapor intrusion within the buildings.

1.4 Summary of the Remedial Investigation

The purpose of the field work portion of the RI completed by PWGC was to collect data of sufficient quality and quantity to supplement the previous investigations conducted at the site and to close gaps in the data set necessary to adequately characterize the nature and extent of contamination at the site and to evaluate contaminant migration.

1.4.1 Summary of the Nature and Extent of Contamination

The results of sampling performed during the RI, identified residual VOCs in soil above NYSDEC Recommended Soil Cleanup Objectives (RSCO) predominantly in the eastern portion of the parking area in the vicinity of storm drain DW-1 and sanitary leaching pool DW-5. These concentrations were detected in soils collected at or below the water table. Soils analyzed above the water table were not impacted.

Groundwater analytical results identified VOCs above NYSDEC Groundwater Standards in the area corresponding to the impacted area of soil. VOC concentrations in the direction of groundwater flow show limited migration, as concentrations are only slightly above Groundwater Standards. Based on the groundwater flow direction (toward the west) and the VOC concentrations at adjacent down-gradient monitoring points, there does not appear to be significant plume migration from the suspect area.

VOCs in soil vapor were detected in samples from beneath both of the site's structures and in points adjacent to the building. The greatest concentrations were detected beneath the former Penetrex facility (currently a fitness center). Due to the presence of VOC vapors, SSDS were installed in both the commercial structure and the residential structure to mitigate the potential for exposure.

2.0 DESCRIPTION OF INTERIM REMEDIAL MEASURE

This Interim Remedial Measure (IRM) consisted of the installation of permanent monitoring wells and the injection of a chemical oxidant solution, potassium permanganate, in the delineated area of contamination in the eastern portion of the site's parking area. IRM activities followed the scope of work specified in the NYSDEC-approved *IRM Work Plan* prepared by PWGC in May 2008. The NYSDEC acceptance letter is included in **Appendix A**. The VOCs in this area have acted as a source of residual contamination in groundwater. The intent of the chemical oxidant injection was to significantly reduce the mass of contamination in the subsurface through the oxidation of VOCs in the high concentration area. A site plan indicating monitoring well locations and injection points is included on **Figure 2**.

2.1 Monitoring Well Installation

Five (5) monitoring wells were installed in the area of contamination. These wells, along with the existing seven (7) wells at the site, are used to monitor the effectiveness of the IRM. Monitoring well locations are indicated on **Figures 2, 3, and 4**. The monitoring wells were constructed of two-inch diameter, schedule 40 PVC casings with 0.010-inch slot screens. Well construction logs are included as **Appendix B**.

Three (3) of the five (5) new wells (MW-8, MW-9, and MW-10) are screened at the water table to monitor the most impacted groundwater. The depth of the water table was measured prior to the installation of the wells. These wells were installed utilizing a Geoprobe® with hollow stem augers. These wells were constructed with 10 feet of screen (3 feet above the water table and 7feet below the water table) and riser to grade. A gravel pack of No. 2 Morie sand was placed in the annulus around the screen. A two-foot bentonite seal was installed above the gravel pack. Above the bentonite layer, the annulus around the well will be backfilled with clean sand.

Two (2) of the five (5) new monitoring wells (MW-8D and MW-9D) are screened at a 10-foot interval between 40 and 50 feet bgs to monitor IRM effectiveness at a greater depth. These wells were installed utilizing a drill rig with hollow stem augers.

The wells were set flush to grade with a protective manhole cover. The riser was fitted with a water tight cap. Drill cuttings were monitored for VOC vapors with a photo-ionization detector (PID). The annuli of the wells were backfilled with soils in which VOCs were not detected. The remaining soils were containerized for off-site disposal. Disposal characterization analysis was performed by American Analytical Laboratories of Farmingdale, New York. The laboratory report is included in **Appendix C**. Drum transport and disposal services were provided by A B Oil Service, LTD. of Bohemia, New York on January 27, 2009. The associated waste manifest is included as **Appendix D**.

The new monitoring wells were developed using a submersible pump to restore the hydraulic properties of the aquifer while preserving soil horizons, water quality, and sample integrity. Development was performed with dedicated instruments to prevent cross-contamination between well locations. The development of each continued until the turbidity, pH, temperature, and conductivity measurements stabilized.

2.1.1 Soil Oxidant Demand Testing

Soil samples were collected during the monitoring well installation process for the purpose of analyzing the natural soil oxidant demand. Two (2) split-spoon soil samples were collected from the MW-8 location from depths of 20 feet and 40 feet and submitted to Carus® for analysis. Soil oxidant demand results were used to calculate the appropriate quantity of chemical oxidant to treat the subject area. A chemical oxidant calculation sheet is included as **Appendix E**.

2.2 Baseline Monitoring Well Sampling

A baseline round of groundwater sampling was performed on September 18, 2008 to determine VOC concentrations prior to the injection of the chemical oxidant. Groundwater samples were collected from each of the 12 monitoring wells, including the seven previously-existing monitoring wells and the five newly installed wells.

The monitoring wells were sampled by a low stress (low flow) method to collect representative samples while producing a minimal amount of purge water. Sampling was performed with a submersible pump with an adjustable flow rate. Monitoring well MW-6 was not accessible to low

flow equipment and was, therefore, purged and sampled with disposable bailers. Purging of each well continued until turbidity was substantially reduced. Portable field instruments were used to collect measurements. At well locations where turbidity did not decrease to 50 NTUs, the well was considered purged upon the stabilization of other parameters such as pH, conductivity, dissolved oxygen, and ORP. Samples were collected directly from the polyethylene tubing into laboratory-supplied glassware upon stabilization of field parameters. Well sampling logs are included in **Appendix F.**

Purge water was containerized in 55-gallon drums and staged on-site pending off-site disposal. Disposal characterization analysis was performed by American Analytical Laboratories of Farmingdale, New York. The laboratory report is included in **Appendix C**. Drum transport and disposal services were provided by A B Oil Service, LTD. of Bohemia, New York on January 27, 2009. The associated waste manifest is included as **Appendix D**.

2.2.1 Laboratory Analysis

Collected groundwater samples were placed in a cooler packed with ice for transport to Alpha Analytical Laboratories (Alpha) of Westborough, Massachussetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory for analysis of volatile organic compounds (VOCs) by EPA Method 8260 and metals by EPA Method 6010. Laboratory Data Reports are included in **Appendix C**. Analytical results of the baseline sampling are discussed in Section 5.0.

2.3 Chemical Oxidant Injection

In order to reduce the mass of VOCs in groundwater beneath the site, a chemical oxidant solution (potassium permanganate) was injected through 17 points beneath the eastern portion of the site's parking area.

3.0 ENGINEERING SPECIFICATIONS AND CONTROLS

3.1 Chemical Oxidant Injection Program

Potassium permanganate was delivered to the site as dry crystals and mixed with water. The activated solution was prepared by mixing each 57 lb pail of Carus® potassium permanganate with 158 gallons of water in a large mixing tank. The concentration of the potassium permanganate solution injected was based on the results of a soil oxidant demand test (section 2.1) and calculations performed by Carus®, the manufacturer of the solution. A mixing system consisting of a mixing tank, transfer pump, and appropriate hoses and fittings was connected to injection points.

The injection points were installed throughout the area of contamination. Each injection boring was advanced to a depth of 50 feet bgs. Injection locations are indicated on **Figures 3 and 4**. Direct push rods were driven to the target depth and then partially extracted to release the expendable drive tip. Once the target depth was achieved, an injection cap and hose was secured to the top of the tool string. The injection tool was raised in one-foot intervals as the sodium permanganate solution was injected into the desired subsurface zones. Approximately 24 gallons of solution was injected into each one foot interval. Upon reaching the water table (approximately 20 ft bgs) the hose was disconnected and the remaining rods and the injection tool were removed from the injection point.

Injection services were provided by Associated Environmental Services (AES) of Hauppauge, New York under the supervision of a PWGC hydrogeologist. A representative of the NYSDEC was on-site during a portion of the injection process.

4.0 MONITORING AND MAINTENANCE

4.1 Post-Remediation Groundwater Monitoring

On April 6, 2009, three months after the completion of the injection program, groundwater sampling was performed at the subject site. Groundwater was collected from each of the twelve (12) monitoring wells following the same sampling procedure followed for the baseline sampling, as described in section 2.2 of this report. Well sampling logs are included in **Appendix F.**

Collected groundwater samples were placed in pre-cleaned laboratory supplied glassware, and placed in a cooler packed with ice for transport to the laboratory. Samples were submitted to Alpha for analysis of VOCs by EPA Method 8260 and metals by EPA Method 6010.

The samples collected from monitoring wells MW-7 and MW-8D had a purple color, indicating that the chemical oxidant, potassium permanganate, was present in the sample. The manufacturer of the chemical oxidant, Carus, indicated that the presence of potassium permanganate would interfere with the analysis of VOCs in the sample. Based on this information, the two samples were submitted for the analysis of metals only. During future sampling rounds, groundwater samples which have a purple color will be neutralized, or quenched, during sample collection with an ascorbic acid solution. This procedure will remove the interference caused by the potassium permanganate.

Purged water was containerized in 55-gallon drums and staged on-site pending characterization analysis for off-site disposal.

4.2 Quality Assurance / Quality Control

QA/QC for the first post-injection sampling event included the following of ASP-B protocols, including the analysis of a trip blank, and the collection and analysis of a blind duplicate, a field blank, a matrix spike sample, and a matrix spike duplicate. The accuracy, precision and completeness requirements were addressed by the laboratory for the data generated. Alpha indicated in an analytical narrative report of the post-injection sampling (included in **Appendix C**) that the samples were received in accordance with the chain of custody and no significant deviations were

encountered during the preparation or analysis with the exception of dilutions required to quantitate results within calibration ranges or for spectral interferences.

The post-injection sampling results were submitted to Stone Environmental, Inc. (Stone) of Montpelier, Vermont for a third-party quality assurance evaluation. Two monitoring wells samples (MW-2 and MW-3) along with the blind duplicate, the field blank, and the trip blank were considered for full data validation. Stone concluded that the overall quality of the data was acceptable and all results as qualified are considered usable. The Data Usability Summary Report is included as **Appendix G**.

5.0 ANALYTICAL RESULTS

Analytical results of the baseline sampling event and the post-injection sampling event were compared to evaluate the effectiveness of the IRM. The analytical results are summarized on **Tables 1, 2, 3,** and **4** and the laboratory data sheets are included in **Appendix C.**

A substantial decrease in total VOC concentrations was evident in monitoring well MW-8, the location where, historically, the most elevated VOC concentrations have been detected. Baseline (pre-injection) VOCs in MW-8 were detected at a concentration of 7,700 µg/L. The total VOC concentration decreased to 1,400 µg/L in the post-injection sample, an 82% decrease.

Results from samples collected from wells located along the perimeter of the area of impact showed mixed results. MW-1, up-gradient of the area of impact indicated a concentration of 62 µg/L which was higher than the baseline concentration of 25 µg/L, but lower than previous samples collected. Concentrations of PCE in MW-1, while remaining consistently low, are above the standard of 5 µg/L.

Concentrations in monitoring well MW-10, located on the perimeter of the area of impact near the house showed a substantial decrease in the concentration of PCE, from 121 µg/L to 41 µg/L. Other detections of VOCs were within standards.

Monitoring well MW-9, located on the perimeter of the area of impact, down-gradient of the most impacted area indicated an increase in total VOCs, from 200 µg/L to 410 µg/L. The increase most likely represents a natural fluctuation in VOC concentrations. MW-9 is not located directly adjacent to an injection point. It appears that, as of the date of the post-injection sampling, the oxidant solution had not reached and reacted with VOCs in MW-9. MW-9 is still located along the perimeter of the impacted area, as indicated by the low VOC concentrations, relative to those detected in the center of the impacted area in MW-8.

The concentration of PCE in MW-9D decreased to within the standard. There were no other VOCs detected at this location. Monitoring wells MW-7 and MW-8D were not analyzed during the post-

injection sampling due to the presence of potassium permanganate in the samples. However, the presence of the potassium permanganate most likely indicates that the VOCs have been substantially, if not completely oxidized at those two locations.

Detected concentrations of VOCs in down-gradient wells away from the area of impact (MW-2 through MW-6) have remained consistently low or not detected. The concentration of PCE in MW-2 was 5.1 µg/L. Other detected concentrations of VOCs in the down-gradient wells were within standards.

The total mass of VOC impact at the site appears to have been substantially oxidized by the chemical injection as evidenced by the analytical results, and as illustrated by the change in the total VOC contours between **Figure 3** and **Figure 4**.

The concentrations of aluminum, iron, and sodium in the post-construction samples were comparable to the concentrations detected in the baseline samples. Although they are above NYSDEC Standards, these concentrations represent typical background concentrations for Long Island.

Chromium was detected in the MW-6 baseline sample at a concentration matching the NYSDEC Standard, but was not detected in the other baseline samples. Chromium was detected at concentrations above the Standard in post-injection samples collected from wells located in the injection area. Chromium concentrations in wells located down-gradient of the injection area were generally below the Standard. The increase in the chromium concentrations appears to be related to the injections, and they are expected to decrease to within Standards during the oxidation process.

The concentrations of manganese were higher in the post-injection samples collected from the wells located in the injection area, especially in the samples in which the purple color of the potassium permanganate was observed (MW-7 and MW-8D). Manganese is a component of potassium permanganate, and its concentrations are expected to decrease during the oxidation process.

Lead was detected in post-injection sample MW-3 at a concentration exceeding the Standard.

However, the concentration of lead in MW-3 was within the standard for the baseline sample. Conversely, the lead concentration detected in MW-6 exceeded the standard in the baseline sample, but was within the standard for the post-injection sample.

Cobalt was detected at an elevated concentration in the baseline sample from monitoring well MW-2, but not detected in the post-injection sample. Cobalt was not detected in the other wells for both sampling rounds.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The objective of the IRM is to substantially reduce the mass of VOC impact located at the subject site. The area of impact had been delineated and monitored during the remedial investigation to facilitate a focused remedial practice to accomplish this objective. The additional monitoring wells installed at the site were strategically installed at locations in the center of, and along the perimeter of the area of impact. The monitoring of these wells, along with the previously existing wells is used to evaluate the nature of the impacted area and the effectiveness of the IRM.

The injection of the chemical oxidant, potassium permanganate, appears to be successful at substantially reducing VOCs, including PCE, TCE and cis-1,2-DCE, in the center of the area of impact (monitoring well MW-8).

The presence of potassium permanganate in MW-7, located along the perimeter of the impacted area, and in the MW-8D, located below the center of impact, indicates that VOCs have been substantially, if not completely reduced, at those locations. The potassium permanganate observed in these wells is most likely the reason for the elevated manganese concentrations.

Based on the results, PWGC recommends continued quarterly groundwater sampling at the subject site as specified in the IRM Work Plan. Samples which have a purple color will be neutralized during sample collection with an ascorbic acid solution.

Analytical results indicate that down-gradient monitoring wells MW-2 through MW-6 have been consistently outside the area of impact, that impacted groundwater has not migrated toward the property boundary.

Metals concentrations will continue to be monitored during future sampling rounds. Although some concentrations of aluminum, sodium, and iron are above NYSDEC Standards, these concentrations represent typical background concentrations for the subsurface of Long Island.

The detections of chromium and manganese in the injection area wells are most likely related to the

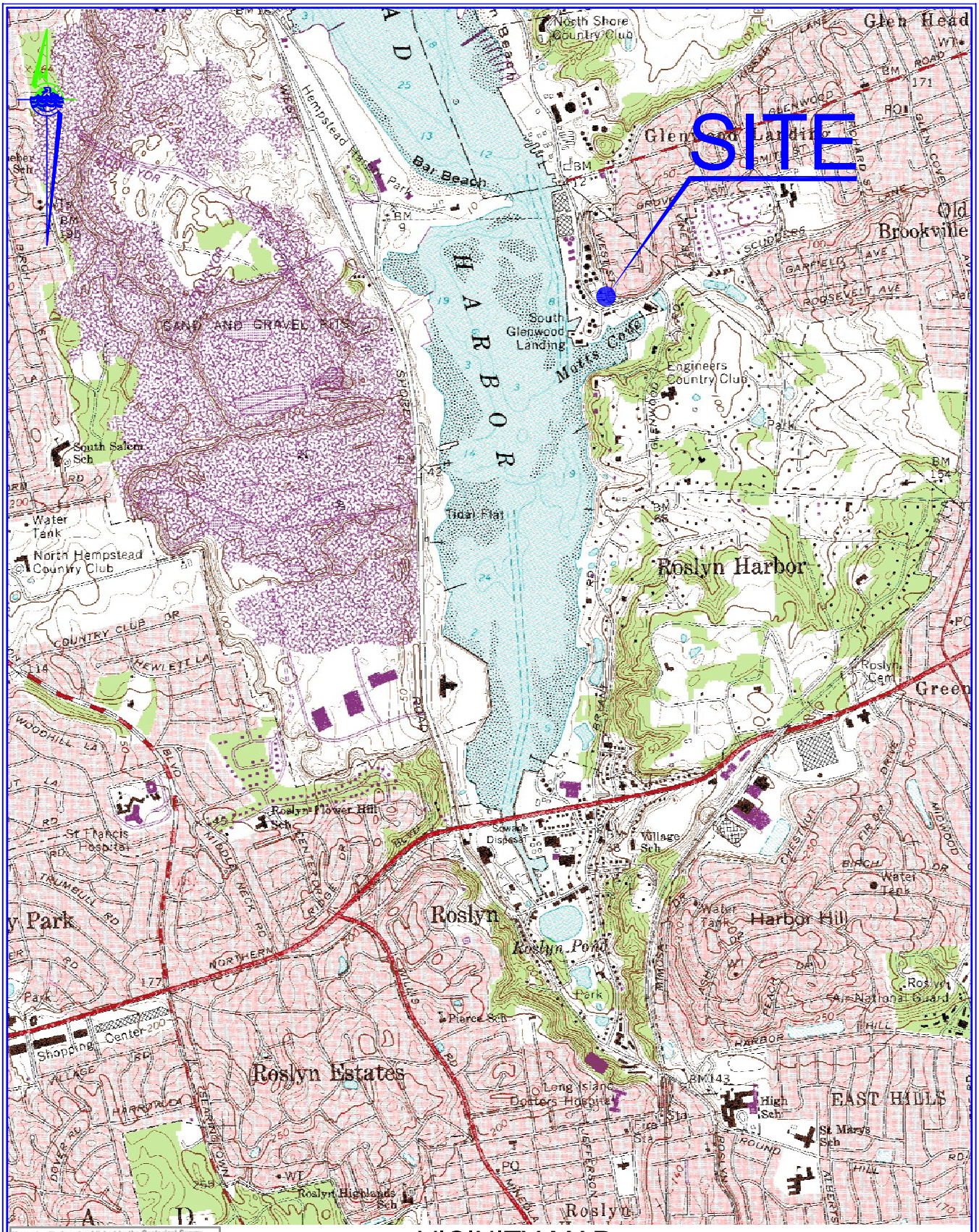
chemical injection. The chromium concentrations exceeded its standard slightly in the post-injection samples collected from the wells located in the injection area and are expected to decrease to within Standards following the completion of the oxidation process.

The concentrations of manganese were higher in the post-injection samples collected from the wells located in the injection area, especially in the samples in which the purple color of the potassium permanganate was observed (MW-7 and MW-8D). Manganese is a component of potassium permanganate, and its concentrations are expected to decrease during the oxidation process.

Lead was detected in post-injection sample MW-3 at a concentration exceeding the Standard. However, the concentration of lead in MW-3 was within the standard for the baseline sample. Conversely, the lead concentration detected in MW-6 exceeded the standard in the baseline sample, but was within the standard for the post-injection sample. MW-6 is located off the subject site and MW-3 is located near the property boundary indicating that the occurrence of lead may be related to off-site activities.

PWGC recommends continued quarterly groundwater sampling at the subject site as specified in the *IRM Work Plan* to monitor the success of the IRM. Results can be used to complete a feasibility study to evaluate potential final remedies for the de-listing of this site as an inactive hazardous waste disposal site.

FIGURES



VICINITY MAP

SCALE: 1:24,000

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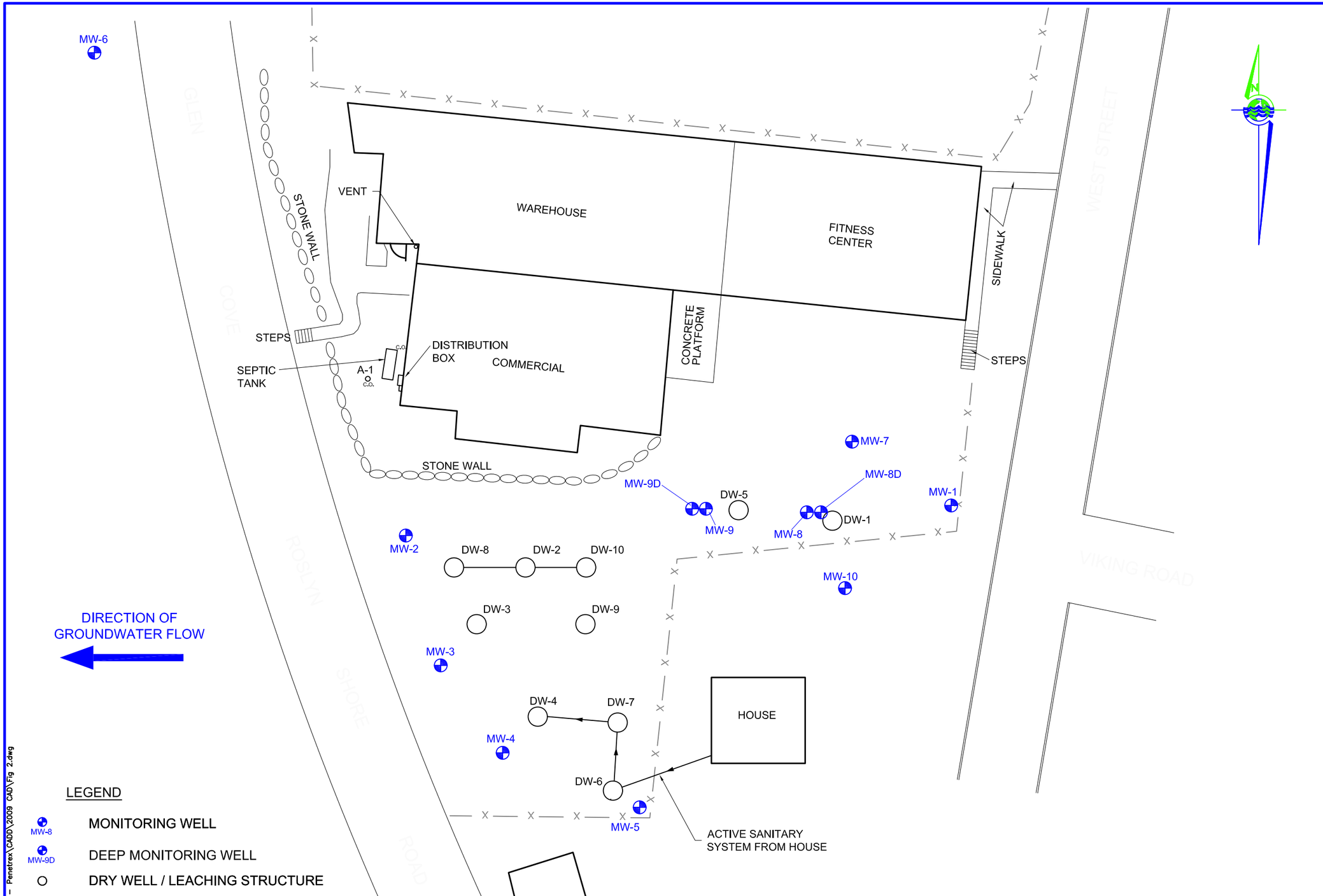
1 SHORE ROAD
GLENWOOD LANDING, NY

Project: PEN0001	Figure No: 1
Designed by: DE	
Approved By: PWG	
Drawn By: LLG	Date: 5/27/09



SITE PLAN

SCALE: 1" = 30'

BASE MAP PROVIDED BY:
YEC, INC.
SURVEY MAP: JULY 10, 1992

0 30 60

SCALE: 1" = 30'

J:\Projects M-R\Pen - Penetrex\CADD\2009 CAD\Fig 2.dwg

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DESIGNED BY:	JL	DATE:	6/9/09
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

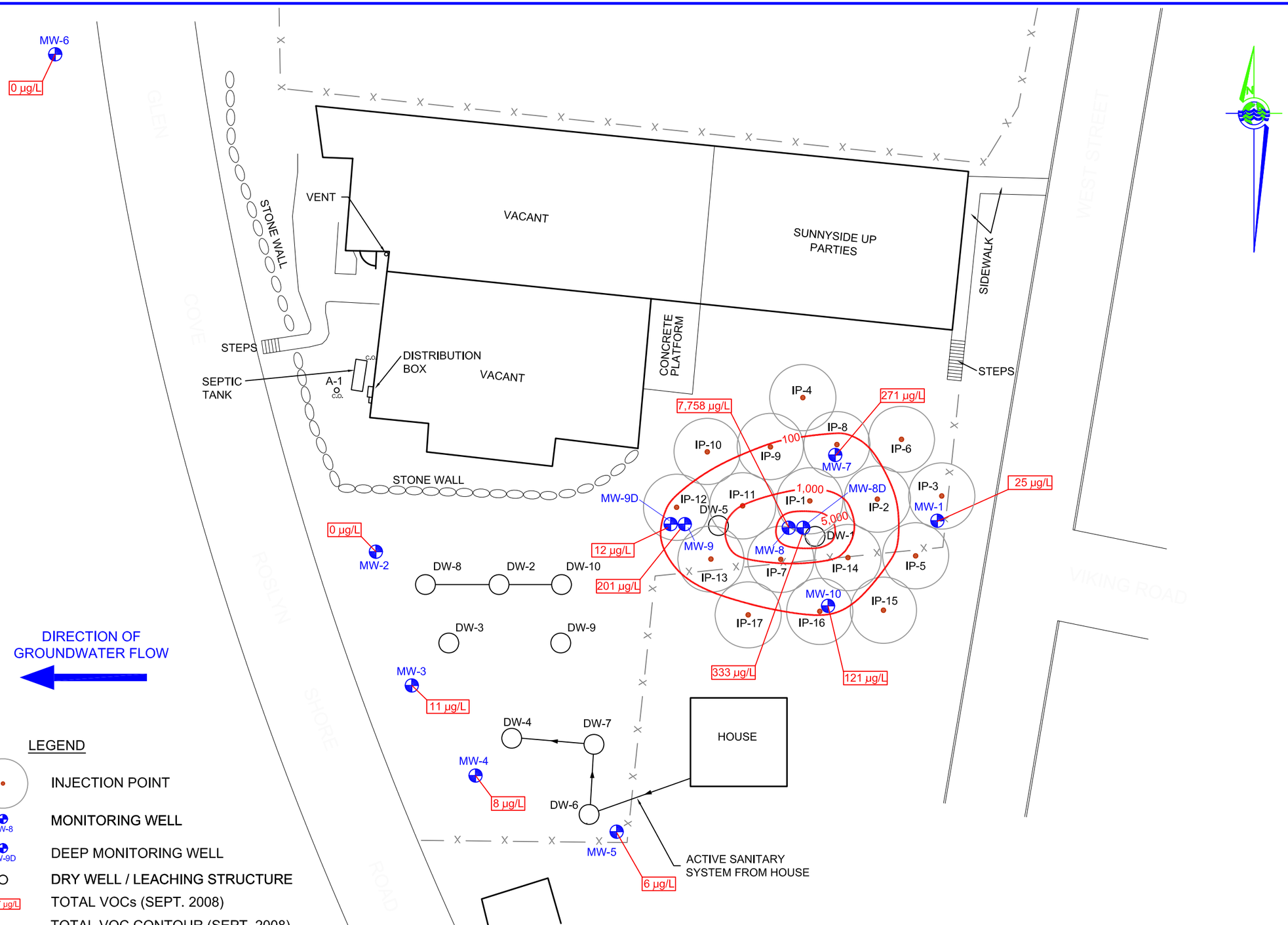
SITE PLAN

FORMER PENETREX
PROSESSING NYSDEC
I.D. No. 130034

FIGURE NO

2

SHEET - OF -



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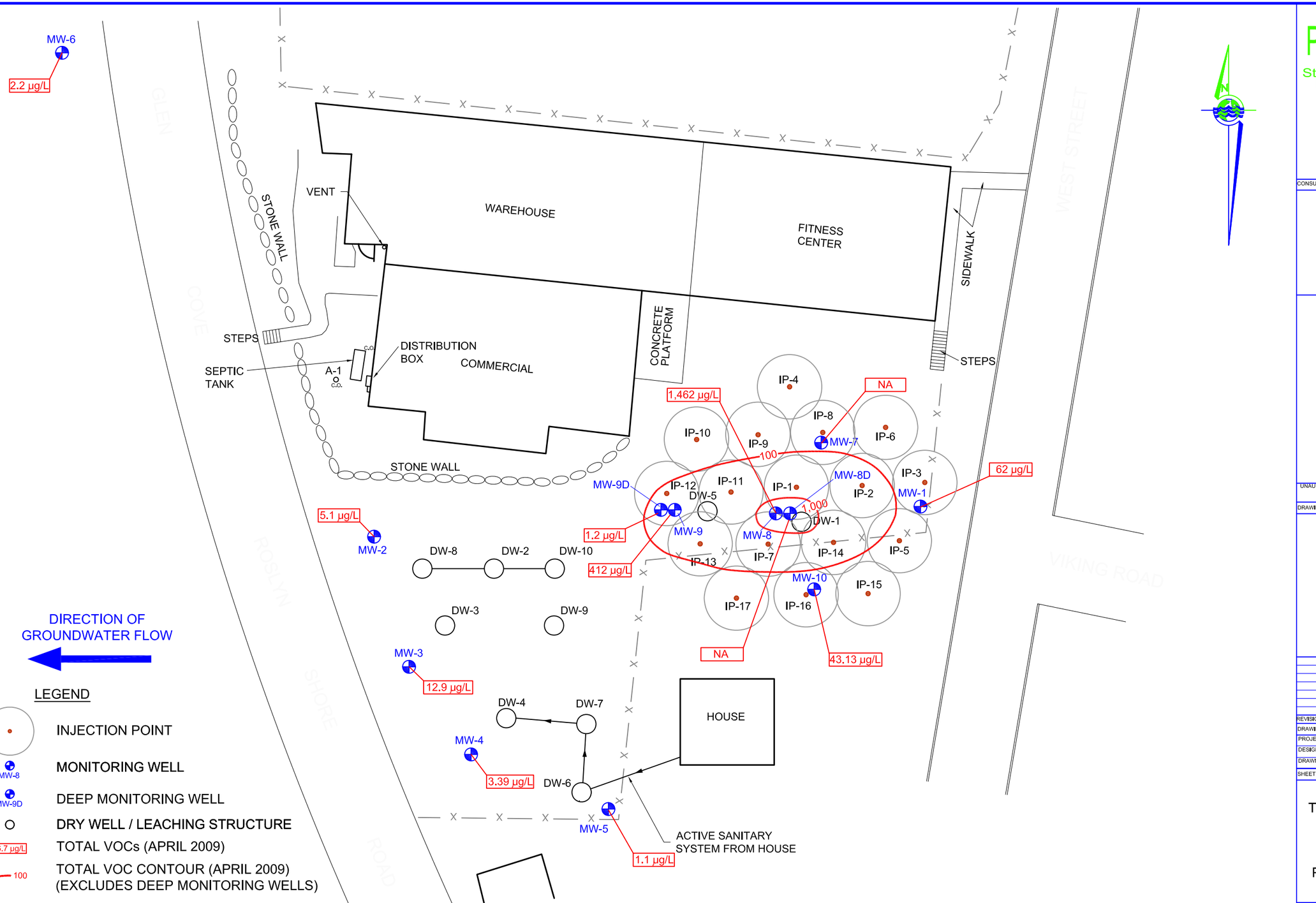
SHEET TITLE

BASELINE TOTAL VOC CONTOURS AT WATER TABLE SEPTEMBER 2008 FORMER PENETREX PROSESSING NYSDEC I.D. No. 130034

FIGURE NO
3

SHEET - OF -



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DRAWING INFORMATION

PROJECT:	PEN0001	APPROVED BY:	PWG
DESIGNED BY:	JL	DATE:	1/7/09
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

POST-INJECTION TOTAL VOC CONTOURS AT WATER TABLE APRIL 2009 FORMER PENETREX PROSESSING NYSDEC I.D. No. 130034

FIGURE NO 4

SHEET - OF -

TABLES

One Shore Road, Glenwood Landing, NY

Table 1

Groundwater Monitoring Well Analytical Results for VOCs by EPA Method 8260

April 6, 2009

Compound	NYSDEC Standards[(1)]	MW-1 4/6/2009	MW-2 4/6/2009	MW-3 4/6/2009	MW-4 4/6/2009	MW-5 4/6/2009	MW-6 4/6/2009	MW-7 4/6/2009	MW-8 4/6/2009	MW-8D 4/6/2009	MW-9 4/6/2009	MW-9D 4/6/2009	MW-10 4/6/2009
Volatile Organic Compounds by EPA Method 8260 in µg/L													
1,1,1,2-Tetrachloroethane	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
1,1,1-Trichloroethane	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
1,1,2-Trichloroethane	1	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	NA	19 U	NA	7.5 U	0.75 U	0.75 U
1,1-Dichloroethane	5	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	NA	19 U	NA	7.5 U	0.75 U	0.75 U
1,1-Dichloroethene	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
1,1-Dichloropropene	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	120 U	NA	50 U	5.0 U	5.0 U
1,2,4,5-Tetramethylbenzene	5	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	50 U	NA	20 U	2.0 U	2.0 U
1,2,4-Trichlorobenzene	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
1,2-Dibromoethane	5	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	50 U	NA	20 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
1,2-Dichloropropane	1	3.5 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	NA	44 U	NA	18 U	1.8 U	1.8 U
1,3,5-Trimethylbenzene	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
1,3-Dichloropropane	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
1,4-Diethylbenzene		4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	50 U	NA	20 U	2.0 U	2.0 U
2,2-Dichloropropane	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
2-Hexanone	50 G	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	120 U	NA	50 U	5.0 U	5.0 U
Acetone	50	10 U	5.0 U	8.8	5.0 U	5.0 U	5.0 U	NA	120 U	NA	50 U	5.0 U	5.0 U
Acrylonitrile	5	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	120 U	NA	50 U	5.0 U	5.0 U
Benzene	1	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
Bromobenzene	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
Bromochloromethane	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
Bromodichloromethane	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
Bromoform	NS	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	50 U	NA	20 U	2.0 U	2.0 U
Bromomethane	5	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	25 U	NA	10 U	1.0 U	1.0 U
Carbon Disulfide	NS	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	120 U	NA	50 U	5.0 U	5.0 U
Carbon Tetrachloride	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
Chlorobenzene	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
Chlorodibromomethane	NS	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
Chloroethane	5	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	25 U	NA	10 U	1.0 U	1.0 U
Chloroform	7	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	NA	19 U	NA	7.5 U	0.75 U	0.75 U
Chloromethane	NS	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	1.0 U	0.50 U	1.8	0.77	0.50 U	0.50 U	NA	**440**	NA	5.0 U	0.50 U	0.83
cis-1,3-Dichloropropene	0.04	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
Dibromomethane	5	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	120 U	NA	50 U	5.0 U	5.0 U
Dichlorodifluoromethane	5	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	120 U	NA	50 U	5.0 U	5.0 U
Ethyl Benzene	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
Hexachlorobutadiene	0.5	1.2 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	NA	15 U	NA	6.0 U	0.60 U	0.60 U
Isopropylbenzene	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
m + p Xylene	10	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	25 U	NA	10 U	1.0 U	1.0 U
Methyl Ethyl Ketone	NS	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	120 U	NA	50 U	5.0 U	5.0 U
Methyl Isobutyl Ketone	NS	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	120 U	NA	50 U	5.0 U	5.0 U
Methyl Tertiary Butyl Ether	10	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	25 U	NA	10 U	1.0 U	1.0 U
Methylene Chloride	5	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	120 U	NA	50 U	5.0 U	5.0 U
Naphthalene	10	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
n-Butylbenzene	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
n-Propylbenzene	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
o-Chlorotoluene	2	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
o Xylene	5	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	25 U	NA	10 U	1.0 U	1.0 U
p-Chlorotoluene	4	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
p-Ethyltoluene	NS	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	50 U	NA	20 U	2.0 U	2.0 U
p-Isopropyltoluene	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
sec-Butylbenzene	5	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
Styrene	5	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	25 U	NA	10 U	1.0 U	1.0 U
tert-Butylbenzene	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
Tetrachloroethylene	5	**62**	**5.1**	1.1	0.82	0.50 U	2.2	NA	**930**	NA	**400**	1.2	**41**
Toluene	5	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	NA	19 U	NA	7.5 U	0.75 U	0.75 U
trans-1,2-Dichloroethene	5	1.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	NA	19 U	NA	7.5 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	0.04	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NA	12 U	NA	5.0 U	0.50 U	0.50 U
Trichloroethene	5	1.0 U	0.50 U	1.2	1.8	1.1	0.50 U	NA	**92**	NA	**12**	0.50 U	1.3
Trichlorofluoromethane	5	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	62 U	NA	25 U	2.5 U	2.5 U
Vinyl Chloride	2	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	25 U	NA	10 U	1.0 U	1.0 U

Notes:

1 - NYSDEC Class GA Groundwater Standards, TOGS 1.1.1, June 1998

NS - Not specified.

NA - Not analyzed. Chemical oxidant observed in sample.

Bold / Shaded text denotes concentrations exceeding the Groundwater Standards.

G - Guidance value.

U - Analyte not detected.

One Shore Road, Glenwood Landing, NY

Table 2

Historical Groundwater Monitoring Well Analytical Results for VOCs by EPA Method 8260

Compound	NYSDEC Standards[1]	MW-1					MW-2					MW-3						MW-4				
		11/13/01	1/19/05	9/6/06	9/17/08	4/6/09	11/13/01	1/19/05	9/6/06	9/17/08	4/6/09	11/13/01	1/19/05	2/11/05	9/6/06	9/17/08	4/6/09	11/13/01	1/19/05	9/6/06	9/17/08	4/6/09
Volatile Organic Compounds by EPA Method 8260 in µg/L																						
1,1,1,2-Tetrachloroethane	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,2,3-Trichlorobenzene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,2,3-Trichloropropane	0.04	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,2,4,5-Tetramethylbenzene	5	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND
1,2,4-Trichlorobenzene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,2,4-Trimethylbenzene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,2-Dibromoethane	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,2-Dichlorobenzene	3	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,3-Dichlorobenzene	3	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,3-Dichloropropane	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
1,4-Dichlorobenzene	3	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
2,2-Dichloropropane	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
2-Chloroethyl vinyl ether	NS	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
2-Chlorotoluene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
2-Hexanone	50 G	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-propanol	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
4-Chlorotoulene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43	15	ND	ND	8.8	ND	ND	ND	ND	ND
Acrolein	5 G	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Acrylonitrile	5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
Bromochloromethane	NS	NA	NA	NA	ND	ND	NA	NA	NA	ND	ND	NA	NA	NA	NA	ND	ND	NA	NA	NA	ND	ND
Bromodichloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Chlorodifluoromethane	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	1	ND	ND	ND	**11**	ND	ND	ND	ND	**97**	**14**	ND	ND	**6**	1.8	3	ND	ND	ND	0.77
cis-1,3-Dichloropropene	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
Dichlorodifluoromethane	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
Diisopropyl ether	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Ethanol	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Ethyl acetate	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Ethyl Benzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**79**	**27**	**26**	ND	ND	ND	ND	ND	ND	ND
Freon 113	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Freon-114	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Hexachlorobutadiene	0.5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
Isopropyl acetate	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Isopropylbenzene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
m + p Xylene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**124**	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	107	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tertiary Butyl Ether	10	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Amyl acetate	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Naphthalene	10	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
n-Butyl acetate	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
n-Butylbenzene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
n-Propyl acetate	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
n-Propylbenzene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
o Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**57**	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
p-Ethyltoluene	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
p-Isopropyltoluene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
sec-Butylbenzene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-butyl alcohol	NS	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
tert-Butylbenzene	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
Tetrachloroethene	5	**100**	**83**	**120**	**25**	**62**	**11**	**14**	ND	ND	**5.1**	**54**	ND	ND	ND	ND	1.1	**65**	ND	ND	ND	0.82
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11000**	**2310**	ND	ND	ND	ND	**11**	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	4	2	ND	ND	ND	3	ND	ND	ND	ND	**9**	0.7	ND	ND	ND	1.2	**7**	ND	ND	**8**	1.8
Trichlorofluoromethane	5	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
Vinyl acetate	NS	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1 - NYSDEC Class GA Groundwater Standards, TOGS 1.1.1, June 1998

NS - Not specified.

ND - Not detected.

NA - Not analyzed.

Bold / Shaded text denotes concentrations exceeding the Groundwater Standards

G - Guidance value.

One Shore Road, Glenwood Landing, NY

Table 2

Historical Groundwater Monitoring Well Analytical Results for VOCs by EPA Method 8260

Compound	NYSDEC Standards[1]	MW-5				MW-6				MW-7				MW-8		MW-8D		MW-9		MW-9D		MW-10	
		1/19/05	9/5/06	9/17/08	4/6/09	1/19/05	9/6/06	9/17/08	4/6/09	1/19/05	9/6/06	9/17/08	4/6/09	9/17/08	4/6/09	9/17/08	4/6/09	9/17/08	4/6/09	9/17/08	4/6/09	9/17/08	4/6/09
Volatile Organic Compounds by EPA Method 8260																							
1,1,1,2-Tetrachloroethane	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	5	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	ND	NA	ND
1,2,4-Trichlorobenzene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	NS	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
2-Hexanone	50 G	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
2-propanol	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoulene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Acrolein	5 G	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Bromobenzene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Bromochloromethane	NS	NA	NA	ND	ND	NA	NA	ND	ND	NA	NA	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Bromodichloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodifluoromethane	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	NA	1022	440	18	NA	17	ND	ND	ND	ND	0.83
cis-1,3-Dichloropropene	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Dibromomethane	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Diisopropyl ether	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethanol	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl acetate	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Benzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Freon 113	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon-114	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Isopropyl acetate	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
m + p Xylene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Methyl Tertiary Butyl Ether	10	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
n-Amyl acetate	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
n-Butyl acetate	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
n-Propyl acetate	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
o Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Ethyltoluene	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
t-butyl alcohol	NS	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	11	ND	ND	ND	2	ND	ND	2.2	267	530	271	NA	5994	930	308	NA	175	400	12	1.2	121	41
Toluene	5	ND	ND	ND	ND	4.9	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Trichloroethene	5	6	ND	6	1.1	ND	ND	ND	ND	16.5	ND	ND	NA	742	92	7	NA	9	12	ND	ND	ND	1.3
Trichlorofluoromethane	5	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Vinyl acetate	NS	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Notes:

1 - NYSDEC Class GA Groundwater Standards, TOGS

NS - Not specified.

ND - Not detected.

NA - Not analyzed.

Bold / Shaded text denotes concentrations exceeding

G - Guidance value.

One Shore Road, Glenwood Landing, NY

Table 3

Groundwater Monitoring Well Analytical Results for Metals

September 17, 2008

Compound	NYSDEC Standards**	MW-1 9/17/2008	MW-2 9/17/2008	MW-3 9/17/2008	MW-4 9/17/2008	MW-5 9/17/2008	MW-6 9/17/2008	MW-7 9/17/2008	MW-8 9/17/2008	MW-8D 9/17/2008	MW-9 9/17/2008	MW-9D 9/17/2008	MW-10 9/17/2008
Metals in mg/L													
Silver	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aluminum	0.1	0.06	1.08	0.57	<0.05	0.07	30.8	1.22	1.05	1.19	0.9	0.55	0.65
Arsenic	0.025	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Barium	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium	0.003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Calcium	NS	73.5	12.6	116	24	27.2	23.3	121	117	18.5	155	18	55.6
Cadmium	0.005	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cobalt	0.005	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper	0.2	<0.05	<0.05	<0.05	0.09	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Iron	0.3	0.08	1.99	5.34	2.04	3.3	41.5	0.46	8.26	0.59	0.46	0.34	0.29
Mercury	0.0007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Potassium	NS	7.88	1.58	18.4	10.8	12.4	4.6	7.63	6.51	1.26	16.9	1.14	3.2
Magnesium	35	10	1.85	11	4.11	4.67	8.89	13.3	15.5	7.98	23.6	8.08	7.65
Manganese	0.3	<0.05	0.94	0.32	0.39	0.06	0.1	0.08	0.32	<0.05	<0.05	<0.05	<0.05
Sodium	20	274	12.7	138	37	42.9	28.1	128	124	16.7	189	18.5	78.6
Nickel	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead	0.025	<0.005	0.005	0.007	<0.005	<0.005	0.039	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Antimony	0.003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium	0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Thalium	0.0005	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	NS	<0.05	<0.05	<0.05	<0.05	<0.05	0.34	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc	2	<0.05	0.06	0.09	<0.05	<0.05	0.11	<0.05	0.05	<0.05	0.06	<0.05	<0.05

Notes:

* - Standard from

** - 6 NYCRR Part

NS - Not specified.

Bold / Shaded text denotes concentrations exceeding the Groundwater Standards.

G - Guidance value.

One Shore Road, Glenwood Landing, NY

Table 4

Groundwater Monitoring Well Analytical Results for Metals

April 6, 2009

Compound	NYSDEC Standards**	MW-1 4/6/2009	MW-2 4/6/2009	MW-3 4/6/2009	MW-4 4/6/2009	MW-5 4/6/2009	MW-6 4/6/2009	MW-7 4/6/2009	MW-8 4/6/2009	MW-8D 4/6/2009	MW-9 4/6/2009	MW-9D 4/6/2009	MW-10 4/6/2009	DUP-01 4/6/2009	FB-01 4/6/2009
Metals in mg/L															
Aluminum	0.1	0.1 U	0.1 U	2.6	0.1 U	0.16	7.5	1.3	3.4	0.58	1.2	2.1	0.63	2.5	0.1 U
Antimony	0.003	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic	0.025	0.005 U	0.005 U	0.005 U	0.009	0.006	0.031	0.005 U	0.021	0.005 U	0.005 U	0.012	0.005 U	0.005 U	0.005 U
Barium	1	0.18	0.01 U	0.075	0.05	0.032	0.067	0.072	0.05	0.021	0.067	0.051	0.075	0.067	0.01 U
Beryllium	0.003	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium	0.005	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	NS	75	11	40	41	26	24	80	82	9.3	150	19	56	35	0.13
Chromium	0.05	0.01	0.01 U	0.07	0.01 U	0.01 U	0.02	0.1	0.03	0.5	0.03	0.1	0.01	0.06	0.01 U
Cobalt	0.005	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Copper	0.2	0.011	0.01 U	0.047	0.01 U	0.09	0.026	0.013	0.018	0.01 U	0.01	0.015	0.01 U	0.042	0.01 U
Iron	0.3	0.21	0.21	7.8	4.9	1.4	19	2	8.9	1.6	1.9	6.3	0.59	7.2	0.05 U
Lead	0.025	0.01 U	0.01 U	0.043	0.01 U	0.01 U	0.02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.041	0.01 U
Magnesium	35	9.8	1.6	9.8	7	4.9	8.8	9.2	13	3.7	30	8	7.9	9.2	0.1 U
Manganese	0.3	0.353	0.131	1.3	0.19	0.061	0.045	42	0.23	5.47	1.08	0.556	0.512	1.26	0.01 U
Mercury	0.0007	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0006	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.1	0.025 U	0.025 U	0.049	0.025 U	0.025 U	0.025 U	0.032	0.025 U	0.025	0.025 U	0.066	0.025 U	0.045	0.025 U
Potassium	NS	6.8	2.5 U	3.5	11	11	3.3	44	5.4	41	25	2.5 U	43	3	2.5 U
Selenium	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.05	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.07 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium	20	380	9	52	79	48	32	120	230	15	210	18	170	43	2 U
Thalium	0.0005	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Vanadium	NS	0.01 U	0.01 U	0.015	0.01 U	0.01 U	0.136	0.01 U	0.066	0.01 U	0.01 U	0.021	0.01 U	0.015	0.01 U
Zinc	2	0.05 U	0.05 U	0.229	0.05 U	0.05 U	0.053	0.05 U	0.06	0.05 U	0.05 U	0.05 U	0.05 U	0.224	0.05 U

Notes:

* - Standard from NYSDEC Ambient Water Quality Standards and Guidance Values Division of Water Technical and Operational Series (1.1.1) 6/1998

** - 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations 8/1999

NS - Not specified.

Bold / Shaded text denotes concentrations exceeding the Groundwater Standards.

G - Guidance value.

APPENDIX A
NYSDEC Correspondence

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A
625 Broadway, 11th Floor
Albany, New York 12233-7015
Phone: (518) 402-9625 • **Fax:** (518) 402-9022 / (518) 402-9627
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

July 11, 2008

Mr. James Rhodes, CPG
P.W. Grosser Consulting Engineers P.C.
630 Johnson Avenue, Suite 7
Bohemia, NY 11716

RE: Penetrex Processing Company
Site No. 130034
Nassau County

Dear Mr. Rhodes:

The New York State Department of Environmental Conservation has approved your May 2008 Interim Remedial Measure Work Plan for the Penetrex Processing site. Please submit an updated schedule of site activities to the NYSDEC at least ten business days before the start of field work.

Sincerely,

Nathan E. Putnam

Nathan E. Putnam
Project Manager
Section A

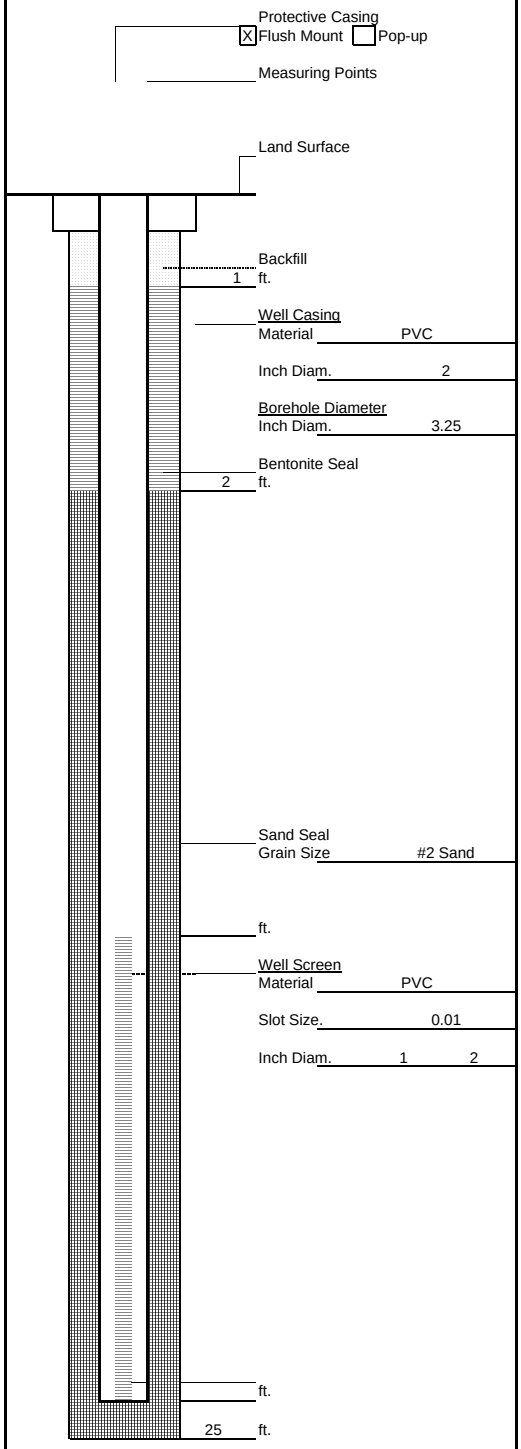
cc: D. Yudelson, Esq.
L. Weinberger
R. Weitzman, NCDOH

ec: G. Bobersky, NYSDEC
W. Parish, NYSDEC
S. Messier, NYSDOH

APPENDIX B
Monitoring Well Construction Log

Monitoring Well

Construction Log

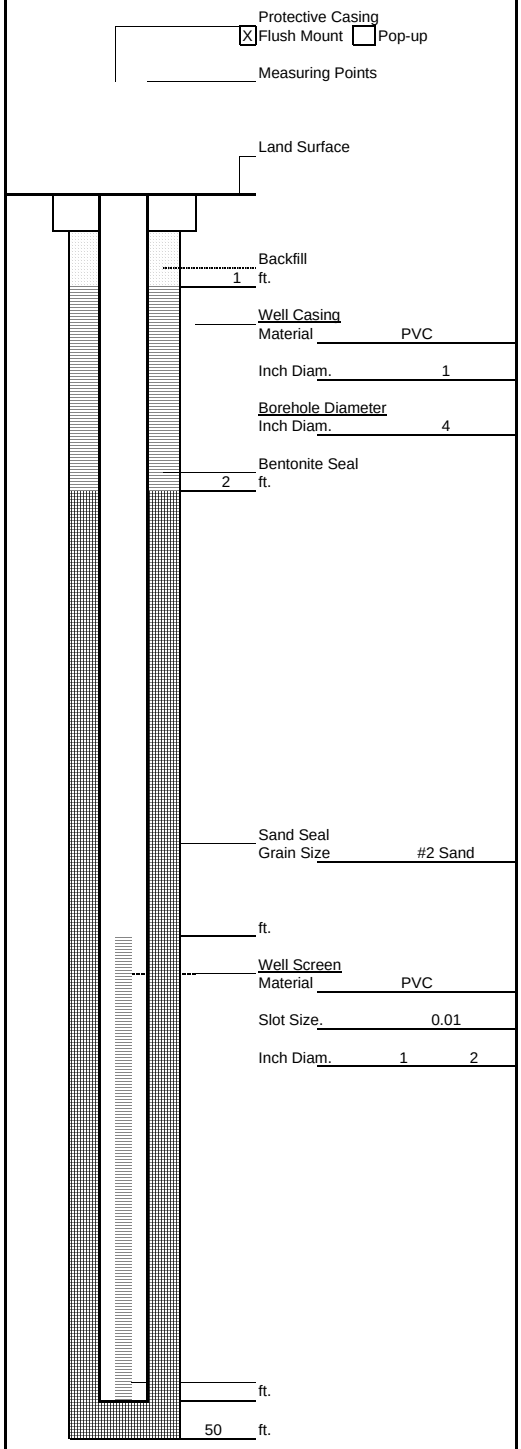


Note: Drawing is not to scale.
Depths are given in feet below land surface.

Well No.	MW-8
Project	PEN 0001
Surveyor	
Measuring Point Elevation	
Installation Date	8/25/2008
Drilling Contractor	Associated Environmental Services
Drilling Method	Geoprobe
Drilling Fluid	None
Development Technique (s) and Date (s)	
Fluid Loss During Drilling	NA Gallons
Water Removed During Development	NA Gallons
Static Depth to Water/Product	
Pumping Depth to Water	
Pumping Duration	
Well Purpose	Monitoring
Hydrogeologist	KER
Company Name	P.W. Grosser Consulting Inc.
Notes	

Monitoring Well

Construction Log

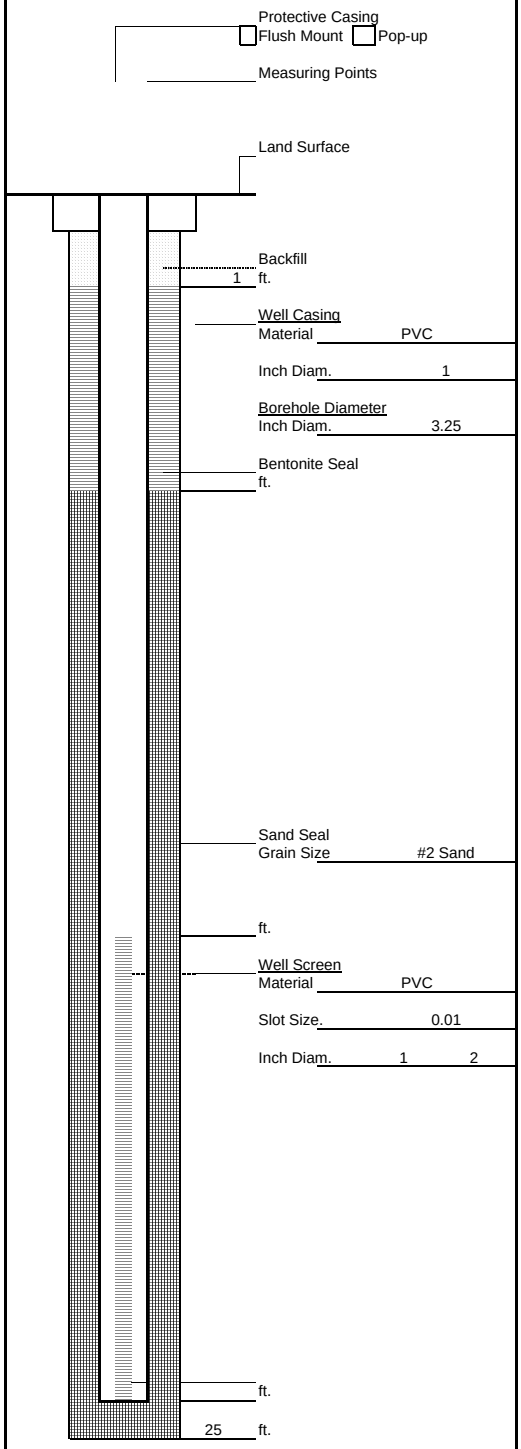


Note: Drawing is not to scale.
Depths are given in feet below land surface.

Well No.	MW-8D
Project	PEN 0001
Surveyor	
Measuring Point Elevation	
Installation Date	8/25/2008
Drilling Contractor	Associated Environmental Services
Drilling Method	Hollow Stem Auger
Drilling Fluid	None
Development Technique (s) and Date (s)	
Fluid Loss During Drilling	Gallons
Water Removed During Development	Gallons
Static Depth to Water/Product	
Pumping Depth to Water	
Pumping Duration	
Well Purpose	Monitoring
Hydrogeologist	KER
Company Name	P.W. Grosser Consulting Inc.
Notes	

Monitoring Well

Construction Log

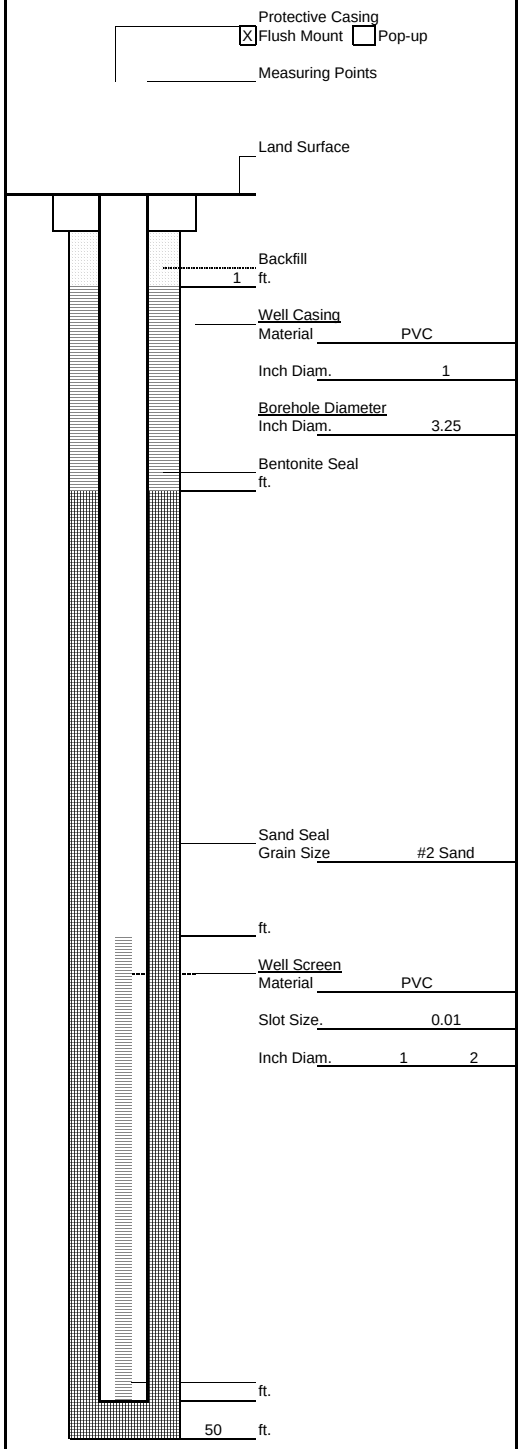


Note: Drawing is not to scale.
Depths are given in feet below land surface.

Well No.	MW-9
Project	PEN 0001
Surveyor	
Measuring Point Elevation	
Installation Date	8/25/2008
Drilling Contractor	Associated Environmental Services
Drilling Method	Geoprobe
Drilling Fluid	None
Development Technique (s) and Date (s)	
Fluid Loss During Drilling	Gallons
Water Removed During Development	Gallons
Static Depth to Water/Product	
Pumping Depth to Water	
Pumping Duration	
Well Purpose	Monitoring
Hydrogeologist	KER
Company Name	P.W. Grosser Consulting Inc.
Notes	

Monitoring Well

Construction Log

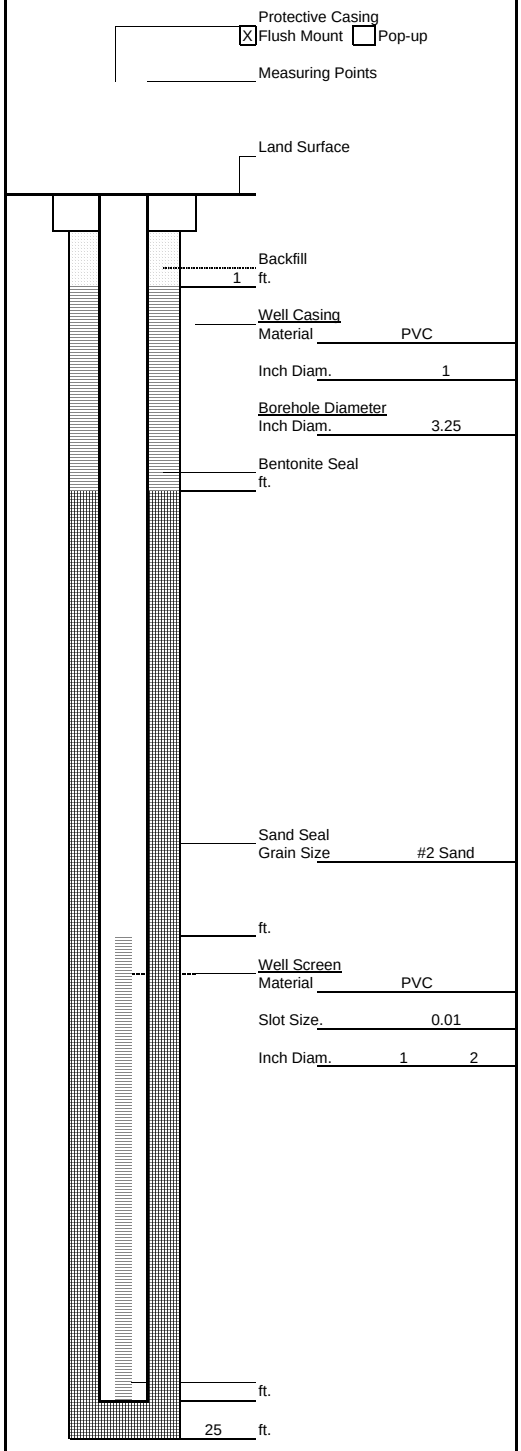


Note: Drawing is not to scale.
Depths are given in feet below land surface.

Well No.	MW-9D
Project	PEN0001
Surveyor	
Measuring Point Elevation	
Installation Date	8/25/2008
Drilling Contractor	Associated Environmental Services
Drilling Method	Hollow Stem Auger
Drilling Fluid	None
Development Technique (s) and Date (s)	
Fluid Loss During Drilling	Gallons
Water Removed During Development	Gallons
Static Depth to Water/Product	
Pumping Depth to Water	
Pumping Duration	
Well Purpose	Monitoring
Hydrogeologist	KER
Company Name	P.W. Grosser Consulting Inc.
Notes	

Monitoring Well

Construction Log



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Well No.	MW-10
Project	PEN 0001
Surveyor	
Measuring Point Elevation	
Installation Date	8/25/2008
Drilling Contractor	Assocoated Environmental Services
Drilling Method	Geoprobe
Drilling Fluid	
Development Technique (s) and Date (s)	
Fluid Loss During Drilling	Gallons
Water Removed During Development	Gallons
Static Depth to Water/Product	
Pumping Depth to Water	
Pumping Duration	
Well Purpose	Monitoring
Hydrogeologist	KER
Company Name	P.W. Grosser Consulting Inc.
Notes	

APPENDIX C
Laboratory Analytical Reports

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418
NJDEP NY050
CTDOH PH-0205
PADEP 68-00573

Tuesday, January 20, 2009

John Eichler
P.W. Grosser Consulting
630 Johnson Avenue
Suite 7
Bohemia, NY 11716

TEL: (631) 589-6353
FAX (631) 589-8705

RE: 1 Shore Rd., Glenwood Landing

Order No.: 0901110

Dear John Eichler:

American Analytical Laboratories, LLC. received 2 sample(s) on 1/9/2009 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. This report consists of 32 pages.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer
Lab Director

American Analytical Laboratories, LLC.

Date: *20-Jan-09*

CLIENT: P.W. Grosser Consulting
Project: 1 Shore Rd., Glenwood Landing
Lab Order: 0901110

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date Collected	Date Received
0901110-01A	Drum- Liquid	1/9/2009 2:20:00 PM	1/9/2009
0901110-01B	Drum- Liquid	1/9/2009 2:20:00 PM	1/9/2009
0901110-02A	Drum- Soil	1/9/2009 2:30:00 PM	1/9/2009
0901110-02B	Drum- Soil	1/9/2009 2:30:00 PM	1/9/2009

AMERICAN ANALYTICAL LABORATORIES

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027

TAG # / COC ____________

NYSDOH 11418
CTDOH PH-0205
NJDEP NY050
PADEP 68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: P.W. Grosser Consulting, 630 Johnson Ave, Suite 7, Bohemia, NY 11716

CONTACT: John Eschler

SAMPLER (SIGNATURE): [signature]

SAMPLER NAME (PRINT): Derell Ersbach

SAMPLE(S) SEALED: YES / NO (YES circled)

CORRECT CONTAINER(S): YES / NO (YES circled)

PROJECT LOCATION: 1 Shore Road, Glenwood Landing, NY

ANALYSIS REQUIRED: 8260, 8RCRA Metals Liquid, TOC, TOX

FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]

LABORATORY ID #	MATRIX	# CONTAINERS	SAMPLING DATE/TIME	SAMPLE # - LOCATION	8260	8RCRA Metals Liquid	TOC	TOX
0901110-01AC	L	3	1/9/09 14:20	Drum-Liquid	+	+	X	
-02AB	S	4	1/9/09 14:30	Drum-Soil	+	X		

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL

TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS: TOX [initials]

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
[signature]	DATE 1/9/09 TIME 15:20	Derell Ersbach	[signature]	DATE 1/9/09 TIME 15:20	Nick [illegible]
	DATE TIME			DATE TIME	

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

American Analytical Laboratories, LLC.

Sample Receipt Checklist

Client Name **PW GROSSER** Date and Time Receive **1/9/2009 3:42:37 PM**

Work Order Numbe **0901110** RcptNo: **1** Received by **CB**

COC_ID: CoolerID:

Checklist completed by _____ 1/9/09 Reviewed by CB 1/9/09

Signature Date Initials Date

Matrix: Carrier name Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Cooler: Yes Ice: Yes Temp: -1.0C

Corrective Action _____

American Analytical Laboratories, LLC.

Date: *20-Jan-09*

ELAP ID : 11418

CLIENT:	P.W. Grosser Consulting	**Client Sample ID:**	Drum- Liquid
Lab Order:	0901110	**Collection Date:**	1/9/2009 2:20:00 PM
Project:	1 Shore Rd., Glenwood Landing	**Matrix:**	LIQUID
Lab ID:	0901110-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260B**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,1,1-Trichloroethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,1,2,2-Tetrachloroethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,1,2-Trichloroethane	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,1-Dichloroethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,1-Dichloroethene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,1-Dichloropropene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,2,3-Trichlorobenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,2,3-Trichloropropane	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,2,4,5-Tetramethylbenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,2,4-Trichlorobenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,2,4-Trimethylbenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,2-Dibromo-3-chloropropane	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,2-Dibromoethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,2-Dichlorobenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,2-Dichloroethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,2-Dichloropropane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,3,5-Trimethylbenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,3-Dichlorobenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,3-dichloropropane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,4-Dichlorobenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
1,4-Dioxane	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
2,2-Dichloropropane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
2-Butanone	U	0.3	3.0		µg/L	1	1/12/2009 3:22:00 PM
2-Chloroethyl vinyl ether	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
2-Chlorotoluene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
2-Hexanone	U	0.3	2.0		µg/L	1	1/12/2009 3:22:00 PM
2-Propanol	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
4-Chlorotoluene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
4-Isopropyltoluene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
4-Methyl-2-pentanone	U	0.3	2.0		µg/L	1	1/12/2009 3:22:00 PM
Acetone	U	0.3	2.0		µg/L	1	1/12/2009 3:22:00 PM

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C	Calibration %RSD/%D exceeded for non-CCC analytes		

American Analytical Laboratories, LLC.

Date: *20-Jan-09*

ELAP ID : 11418

CLIENT:	P.W. Grosser Consulting	**Client Sample ID:**	Drum- Liquid
Lab Order:	0901110	**Collection Date:**	1/9/2009 2:20:00 PM
Project:	1 Shore Rd., Glenwood Landing	**Matrix:**	LIQUID
Lab ID:	0901110-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260B				Analyst: LA
Acrolein	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
Acrylonitrile	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Benzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Bromobenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Bromochloromethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Bromodichloromethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Bromoform	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
Bromomethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Carbon disulfide	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Carbon tetrachloride	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
Chlorobenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Chlorodifluoromethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Chloroethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Chloroform	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Chloromethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
cis-1,2-Dichloroethene	48	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
cis-1,3-Dichloropropene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Dibromochloromethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Dibromomethane	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
Dichlorodifluoromethane	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
Diisopropyl ether	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Ethanol	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Ethyl acetate	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Ethylbenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Freon-114	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
Hexachlorobutadiene	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
Isopropyl acetate	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
Isopropylbenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
m,p-Xylene	U	0.3	2.0		µg/L	1	1/12/2009 3:22:00 PM
Methyl tert-butyl ether	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Methylene chloride	3.4	0.3	1.0	B	µg/L	1	1/12/2009 3:22:00 PM
n-Amyl acetate	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Naphthalene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM

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American Analytical Laboratories, LLC.

Date: *20-Jan-09*

ELAP ID : 11418

CLIENT:	P.W. Grosser Consulting	**Client Sample ID:**	Drum- Liquid
Lab Order:	0901110	**Collection Date:**	1/9/2009 2:20:00 PM
Project:	1 Shore Rd., Glenwood Landing	**Matrix:**	LIQUID
Lab ID:	0901110-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260B				Analyst: LA
n-Butyl acetate	U	0.3	2.0		µg/L	1	1/12/2009 3:22:00 PM
n-Butylbenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
n-Propyl acetate	U	0.4	1.0		µg/L	1	1/12/2009 3:22:00 PM
n-Propylbenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
o-Xylene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
p-Diethylbenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
p-Ethyltoluene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
sec-Butylbenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Styrene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
t-Butyl alcohol	U	0.4	1.0	C	µg/L	1	1/12/2009 3:22:00 PM
tert-Butylbenzene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Tetrachloroethene	190	3	10		µg/L	10	1/14/2009 5:35:00 AM
Toluene	1.1	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
trans-1,2-Dichloroethene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
trans-1,3-Dichloropropene	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Trichloroethene	20	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Trichlorofluoromethane	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Vinyl acetate	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Vinyl chloride	U	0.3	1.0		µg/L	1	1/12/2009 3:22:00 PM
Surr: 4-Bromofluorobenzene	99.2	0	60-130		%REC	10	1/14/2009 5:35:00 AM
Surr: 4-Bromofluorobenzene	96.3	0	60-130		%REC	1	1/12/2009 3:22:00 PM
Surr: Dibromofluoromethane	102	0	63-127		%REC	1	1/12/2009 3:22:00 PM
Surr: Dibromofluoromethane	93.5	0	63-127		%REC	10	1/14/2009 5:35:00 AM
Surr: Toluene-d8	97.9	0	61-128		%REC	10	1/14/2009 5:35:00 AM
Surr: Toluene-d8	96.1	0	61-128		%REC	1	1/12/2009 3:22:00 PM

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CLIENT:	P.W. Grosser Consulting	**Client Sample ID:**	Drum- Liquid
Lab Order:	0901110	**Collection Date:**	1/9/2009 2:20:00 PM
Project:	1 Shore Rd., Glenwood Landing	**Matrix:**	LIQUID
Lab ID:	0901110-01B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TCLP MERCURY			**SW1311/7471B**		**SW1311**		Analyst: **AH**
Mercury	U	0.0005	0.0200		mg/L	1	1/13/2009 1:31:13 PM
TCLP METALS			**SW1311/6010B**		**SW3010A**		Analyst: **JP**
Arsenic	U	0.01	0.0500		mg/L	1	1/14/2009 11:09:11 AM
Barium	0.145	0.005	0.0500		mg/L	1	1/14/2009 11:09:11 AM
Cadmium	U	0.005	0.0500		mg/L	1	1/14/2009 11:09:11 AM
Chromium	U	0.005	0.0500		mg/L	1	1/14/2009 11:09:11 AM
Lead	U	0.005	0.0500		mg/L	1	1/14/2009 11:09:11 AM
Selenium	U	0.01	0.0500		mg/L	1	1/14/2009 11:09:11 AM
Silver	U	0.005	0.0500		mg/L	1	1/14/2009 11:09:11 AM
TOTAL ORGANIC HALIDES (TOX)			**SW9020B**				Analyst: **JP**
Total Organic Halides (TOX)	U	1	2.00		mg/L	1	1/20/2009

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American Analytical Laboratories, LLC.

Date: *20-Jan-09*

ELAP ID : 11418

CLIENT:	P.W. Grosser Consulting	**Client Sample ID:**	Drum- Soil
Lab Order:	0901110	**Collection Date:**	1/9/2009 2:30:00 PM
Project:	1 Shore Rd., Glenwood Landing	**Matrix:**	SOIL
Lab ID:	0901110-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: CB
Percent Moisture	8.69	0	0		wt%	1	1/12/2009
VOLATILE SW-846 METHOD 8260			**SW8260B**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,1,1-Trichloroethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,1,2,2-Tetrachloroethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,1,2-Trichloroethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,1-Dichloroethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,1-Dichloroethene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,1-Dichloropropene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,2,3-Trichlorobenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,2,3-Trichloropropane	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,2,4,5-Tetramethylbenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,2,4-Trichlorobenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,2,4-Trimethylbenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,2-Dibromo-3-chloropropane	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,2-Dibromoethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,2-Dichlorobenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,2-Dichloroethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,2-Dichloropropane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,3,5-Trimethylbenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,3-Dichlorobenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,3-dichloropropane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,4-Dichlorobenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
1,4-Dioxane	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
2,2-Dichloropropane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
2-Butanone	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
2-Chloroethyl vinyl ether	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
2-Chlorotoluene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
2-Hexanone	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
2-Propanol	U	0.44	54		µg/Kg-dry	1	1/13/2009 3:22:00 PM
4-Chlorotoluene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM

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American Analytical Laboratories, LLC.

Date: *20-Jan-09*

ELAP ID : 11418

CLIENT:	P.W. Grosser Consulting	**Client Sample ID:**	Drum- Soil
Lab Order:	0901110	**Collection Date:**	1/9/2009 2:30:00 PM
Project:	1 Shore Rd., Glenwood Landing	**Matrix:**	SOIL
Lab ID:	0901110-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260B				Analyst: LA
4-Isopropyltoluene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
4-Methyl-2-pentanone	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Acetone	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Acrolein	U	0.33	27		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Acrylonitrile	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Benzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Bromobenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Bromochloromethane	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Bromodichloromethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Bromoform	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Bromomethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Carbon disulfide	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Carbon tetrachloride	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Chlorobenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Chlorodifluoromethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Chloroethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Chloroform	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Chloromethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
cis-1,2-Dichloroethene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
cis-1,3-Dichloropropene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Dibromochloromethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Dibromomethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Dichlorodifluoromethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Diisopropyl ether	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Ethanol	U	0.33	27		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Ethyl acetate	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Ethylbenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Freon-114	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Hexachlorobutadiene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Isopropyl acetate	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Isopropylbenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
m,p-Xylene	U	0.33	11		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Methyl tert-butyl ether	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed but not detected.
C	Calibration %RSD/%D exceeded for non-CCC analytes		

American Analytical Laboratories, LLC.

Date: *20-Jan-09*

ELAP ID : 11418

CLIENT: P.W. Grosser Consulting
Lab Order: 0901110
Project: 1 Shore Rd., Glenwood Landing
Lab ID: 0901110-02A

Client Sample ID: Drum- Soil
Collection Date: 1/9/2009 2:30:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260B				Analyst: LA
Methylene chloride	6.7	0.33	5.4	B	µg/Kg-dry	1	1/13/2009 3:22:00 PM
n-Amyl acetate	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Naphthalene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
n-Butyl acetate	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
n-Butylbenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
n-Propyl acetate	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
n-Propylbenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
o-Xylene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
p-Diethylbenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
p-Ethyltoluene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
sec-Butylbenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Styrene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
t-Butyl alcohol	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
tert-Butylbenzene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Tetrachloroethene	35	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Toluene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
trans-1,2-Dichloroethene	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
trans-1,3-Dichloropropene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Trichloroethene	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Trichlorofluoromethane	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Vinyl acetate	U	0.44	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Vinyl chloride	U	0.33	5.4		µg/Kg-dry	1	1/13/2009 3:22:00 PM
Surr: 4-Bromofluorobenzene	93.4	0	64-132		%REC	1	1/13/2009 3:22:00 PM
Surr: Dibromofluoromethane	106	0	66-131		%REC	1	1/13/2009 3:22:00 PM
Surr: Toluene-d8	98.8	0	54-132		%REC	1	1/13/2009 3:22:00 PM

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Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Value above quantitation range
J	Analyte detected below quantitation limits
LOQ	Limit of Quantitation
S	Spike Recovery outside accepted recovery limits
C	Calibration %RSD/%D exceeded for non-CCC analytes
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
LOD	Limit of Detection
ND	Not Detected at the Reporting Limit
U	Indicates the compound was analyzed but not detected.

American Analytical Laboratories, LLC.

Date: *20-Jan-09*

ELAP ID : 11418

CLIENT:	P.W. Grosser Consulting	**Client Sample ID:**	Drum- Soil
Lab Order:	0901110	**Collection Date:**	1/9/2009 2:30:00 PM
Project:	1 Shore Rd., Glenwood Landing	**Matrix:**	SOIL
Lab ID:	0901110-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TCLP MERCURY			SW1311/7471B		SW1311		Analyst: AH
Mercury	U	0.0005	0.0200		mg/L	1	1/13/2009 1:33:21 PM
TCLP METALS			SW1311/6010B				Analyst: JP
Arsenic	U	0.01	0.0500		mg/L	1	1/14/2009 11:11:14 AM
Barium	0.897	0.005	0.0500		mg/L	1	1/14/2009 11:11:14 AM
Cadmium	U	0.005	0.0500		mg/L	1	1/14/2009 11:11:14 AM
Chromium	U	0.005	0.0500		mg/L	1	1/14/2009 11:11:14 AM
Lead	0.0840	0.005	0.0500		mg/L	1	1/14/2009 11:11:14 AM
Selenium	U	0.01	0.0500		mg/L	1	1/14/2009 11:11:14 AM
Silver	U	0.005	0.0500		mg/L	1	1/14/2009 11:11:14 AM

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Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed but not detected.
C	Calibration %RSD/%D exceeded for non-CCC analytes		

American Analytical Laboratories, LLC.

Date: *20-Jan-09*

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-011309Y** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: RunNo: **40979**
Client ID: **LCSS** Batch ID: **R40979b** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549503**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	43	5.0	50.00	0	85.5	26	120				
1,1,2,2-Tetrachloroethane	39	5.0	50.00	0	77.9	30	130				
1,1,2-Trichloro-1,2,2-trifluoroethane	28	5.0	50.00	0	56.2	30	130				C
1,1,2-Trichloroethane	37	5.0	50.00	0	73.1	26	126				
1,1-Dichloroethane	40	5.0	50.00	0	79.4	20	129				
1,1-Dichloroethene	57	5.0	50.00	0	113	25	130				
1,2,4,5-Tetramethylbenzene	33	5.0	50.00	0	66.8	30	130				
1,2-Dichlorobenzene	35	5.0	50.00	0	70.1	21	120				
1,2-Dichloroethane	39	5.0	50.00	0	79.0	20	120				
1,2-Dichloropropane	36	5.0	50.00	0	72.8	22	126				
1,3-Dichlorobenzene	35	5.0	50.00	0	70.8	23	120				
1,4-Dichlorobenzene	36	5.0	50.00	0	71.3	26	123				
2-Chloroethyl vinyl ether	36	5.0	50.00	0	72.0	20	125				
Benzene	40	5.0	50.00	0	79.2	30	130				
Bromodichloromethane	38	5.0	50.00	0	75.1	30	130				
Bromoform	38	5.0	50.00	0	76.9	20	123				
Bromomethane	59	5.0	50.00	0	118	35	133				
Carbon tetrachloride	42	5.0	50.00	0	84.5	25	125				
Chlorobenzene	40	5.0	50.00	0	80.3	21	133				
Chlorodifluoromethane	44	5.0	50.00	0	88.1	30	130				
Chloroethane	59	5.0	50.00	0	118	40	144				
Chloroform	41	5.0	50.00	0	81.5	26	124				
Chloromethane	51	5.0	50.00	0	102	36	140				C
cis-1,3-Dichloropropene	37	5.0	50.00	0	73.0	22	122				
Dibromochloromethane	39	5.0	50.00	0	77.8	22	124				
Ethylbenzene	40	5.0	50.00	0	79.2	15	130				
Methylene chloride	35	5.0	50.00	0	69.6	26	142				BC
p-Diethylbenzene	33	5.0	50.00	0	66.2	30	130				
p-Ethyltoluene	40	5.0	50.00	0	79.4	30	130				
Tetrachloroethene	33	5.0	50.00	0	65.3	20	120				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: V624LCS-011309Y	SampType: LCS	TestCode: DryFull8260_	Units: µg/Kg	Prep Date:	RunNo: 40979
Client ID: LCSS	Batch ID: R40979b	TestNo: SW8260B		Analysis Date: 1/13/2009	SeqNo: 549503

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	37	5.0	50.00	0	74.4	20	119				
trans-1,2-Dichloroethene	42	5.0	50.00	0	84.2	20	120				
trans-1,3-Dichloropropene	36	5.0	50.00	0	72.8	14	115				
Trichloroethene	43	5.0	50.00	0	85.6	23	121				
Trichlorofluoromethane	58	5.0	50.00	0	116	38	142				C
Vinyl chloride	56	5.0	50.00	0	111	40	145				
Surr: 4-Bromofluorobenzene	54		50.00		107	64	132				
Surr: Dibromofluoromethane	54		50.00		109	66	131				
Surr: Toluene-d8	48		50.00		95.4	54	132				

Sample ID: VBLK-011309Y	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date:	RunNo: 40979
Client ID: PBS	Batch ID: R40979b	TestNo: SW8260B		Analysis Date: 1/13/2009	SeqNo: 549504

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									C
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-011309Y** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: RunNo: **40979**
Client ID: **PBS** Batch ID: **R40979b** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									C
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
1,4-Dioxane	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
2-Propanol	U	50									C
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	25									C
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									C

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-011309Y** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: RunNo: **40979**
Client ID: **PBS** Batch ID: **R40979b** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549504**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	4.3	5.0									C
n-Amyl acetate	U	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									C
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: VBLK-011309Y	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date:	RunNo: 40979
Client ID: PBS	Batch ID: R40979b	TestNo: SW8260B		Analysis Date: 1/13/2009	SeqNo: 549504

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									C
Vinyl acetate	U	5.0									C
Vinyl chloride	U	5.0									
Surr: 4-Bromofluorobenzene	50		50.00		101	64	132				
Surr: Dibromofluoromethane	56		50.00		111	66	131				
Surr: Toluene-d8	51		50.00		101	54	132				

Sample ID: 0901110-02AMS	SampType: MS	TestCode: DryFull8260_	Units: µg/Kg-dry	Prep Date:	RunNo: 40979
Client ID: Drum- Soil	Batch ID: R40979b	TestNo: SW8260B		Analysis Date: 1/13/2009	SeqNo: 549506

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	44	5.5	54.76	0	80.8	26	120				
1,1,2,2-Tetrachloroethane	31	5.5	54.76	0	57.4	30	130				
1,1,2-Trichloro-1,2,2-trifluoroethane	20	5.5	54.76	0	37.4	30	130				C
1,1,2-Trichloroethane	30	5.5	54.76	0	54.1	26	126				
1,1-Dichloroethane	40	5.5	54.76	0	72.5	20	129				
1,1-Dichloroethene	55	5.5	54.76	0	100	25	130				
1,2,4,5-Tetramethylbenzene	30	5.5	54.76	0	54.1	30	130				
1,2-Dichlorobenzene	30	5.5	54.76	0	54.5	21	120				
1,2-Dichloroethane	33	5.5	54.76	0	60.6	20	120				
1,2-Dichloropropane	35	5.5	54.76	0	64.1	22	126				
1,3-Dichlorobenzene	33	5.5	54.76	0	60.2	23	120				
1,4-Dichlorobenzene	32	5.5	54.76	0	58.9	26	123				
2-Chloroethyl vinyl ether	25	5.5	54.76	0	44.9	20	125				
Benzene	38	5.5	54.76	0	69.2	30	130				
Bromodichloromethane	34	5.5	54.76	0	63.0	30	130				
Bromoform	27	5.5	54.76	0	48.6	20	123				
Bromomethane	61	5.5	54.76	0	111	35	133				

Qualifiers:

- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation li
- LOD Limit of Detection
- LOQ Limit of Quantitation
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- U Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **0901110-02AMS** SampType: **MS** TestCode: **DryFull8260_** Units: **µg/Kg-dry** Prep Date: RunNo: **40979**
Client ID: **Drum- Soil** Batch ID: **R40979b** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549506**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	42	5.5	54.76	0	76.5	25	125				
Chlorobenzene	37	5.5	54.76	0	66.7	21	133				
Chlorodifluoromethane	45	5.5	54.76	0	82.9	30	130				
Chloroethane	63	5.5	54.76	0	116	40	144				
Chloroform	40	5.5	54.76	0	72.8	26	124				
Chloromethane	51	5.5	54.76	0	92.9	36	140				C
cis-1,3-Dichloropropene	32	5.5	54.76	0	57.9	22	122				
Dibromochloromethane	32	5.5	54.76	0	59.2	22	124				
Ethylbenzene	38	5.5	54.76	0	69.0	15	130				
Methylene chloride	35	5.5	54.76	6.739	52.4	26	142				BC
p-Diethylbenzene	31	5.5	54.76	0	56.1	30	130				
p-Ethyltoluene	33	5.5	54.76	0	59.7	30	130				
Tetrachloroethene	180	5.5	54.76	34.65	257	20	120				S
Toluene	38	5.5	54.76	0	69.1	20	119				
trans-1,2-Dichloroethene	41	5.5	54.76	0	74.0	20	120				
trans-1,3-Dichloropropene	30	5.5	54.76	0	54.8	14	115				
Trichloroethene	43	5.5	54.76	0	78.4	23	121				
Trichlorofluoromethane	65	5.5	54.76	0	119	38	142				C
Vinyl chloride	57	5.5	54.76	0	104	40	145				
Surr: 4-Bromofluorobenzene	50		54.76		92.0	64	132				
Surr: Dibromofluoromethane	51		54.76		92.9	66	131				
Surr: Toluene-d8	54		54.76		98.4	54	132				

Sample ID: **0901110-02AMSD** SampType: **MSD** TestCode: **DryFull8260_** Units: **µg/Kg-dry** Prep Date: RunNo: **40979**
Client ID: **Drum- Soil** Batch ID: **R40979b** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549507**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	42	5.5	54.76	0	76.1	26	120	44.24	6.02	20	
1,1,2,2-Tetrachloroethane	24	5.5	54.76	0	44.0	30	130	31.43	26.3	20	R
1,1,2-Trichloro-1,2,2-trifluoroethane	28	5.5	54.76	0	51.3	30	130	20.49	31.3	20	RC
1,1,2-Trichloroethane	29	5.5	54.76	0	53.3	26	126	29.65	1.49	20	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation li
LOD Limit of Detection
LOQ Limit of Quantitation
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
U Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: 0901110-02AMSD	SampType: MSD	TestCode: DryFull8260_	Units: µg/Kg-dry	Prep Date:	RunNo: 40979
Client ID: Drum- Soil	Batch ID: R40979b	TestNo: SW8260B		Analysis Date: 1/13/2009	SeqNo: 549507

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	39	5.5	54.76	0	70.6	20	129	39.68	2.57	20	
1,1-Dichloroethene	64	5.5	54.76	0	116	25	130	54.97	14.5	20	
1,2,4,5-Tetramethylbenzene	10	5.5	54.76	0	18.3	30	130	29.62	98.8	20	SR
1,2-Dichlorobenzene	19	5.5	54.76	0	34.3	21	120	29.84	45.4	20	R
1,2-Dichloroethane	34	5.5	54.76	0	62.0	20	120	33.18	2.25	20	
1,2-Dichloropropane	35	5.5	54.76	0	63.2	22	126	35.11	1.41	20	
1,3-Dichlorobenzene	16	5.5	54.76	0	28.9	23	120	32.94	70.3	20	R
1,4-Dichlorobenzene	19	5.5	54.76	0	34.9	26	123	32.26	51.2	20	R
2-Chloroethyl vinyl ether	24	5.5	54.76	0	43.6	20	125	24.59	2.89	20	
Benzene	38	5.5	54.76	0	68.9	30	130	37.90	0.434	20	
Bromodichloromethane	34	5.5	54.76	0	61.4	30	130	34.48	2.44	20	
Bromoform	25	5.5	54.76	0	46.2	20	123	26.63	5.19	20	
Bromomethane	62	5.5	54.76	0	112	35	133	60.73	1.41	20	
Carbon tetrachloride	40	5.5	54.76	0	72.5	25	125	41.88	5.32	20	
Chlorobenzene	30	5.5	54.76	0	54.1	21	133	36.55	20.8	20	R
Chlorodifluoromethane	45	5.5	54.76	0	82.9	30	130	45.41	0	20	
Chloroethane	66	5.5	54.76	0	120	40	144	63.40	3.55	20	
Chloroform	40	5.5	54.76	0	73.3	26	124	39.85	0.739	20	
Chloromethane	53	5.5	54.76	0	97.7	36	140	50.86	5.04	20	C
cis-1,3-Dichloropropene	31	5.5	54.76	0	57.1	22	122	31.69	1.39	20	
Dibromochloromethane	31	5.5	54.76	0	57.2	22	124	32.41	3.33	20	
Ethylbenzene	29	5.5	54.76	0	52.6	15	130	37.78	26.9	20	R
Methylene chloride	36	5.5	54.76	6.739	53.3	26	142	35.45	1.29	20	BC
p-Diethylbenzene	9.0	5.5	54.76	0	16.4	30	130	30.74	110	20	SR
p-Ethyltoluene	18	5.5	54.76	0	33.1	30	130	32.68	57.2	20	R
Tetrachloroethene	110	5.5	54.76	34.65	145	20	120	175.3	42.5	20	SR
Toluene	32	5.5	54.76	0	58.1	20	119	37.83	17.3	20	
trans-1,2-Dichloroethene	39	5.5	54.76	0	70.8	20	120	40.52	4.42	20	
trans-1,3-Dichloropropene	28	5.5	54.76	0	50.7	14	115	30.02	7.77	20	
Trichloroethene	38	5.5	54.76	0	68.8	23	121	42.95	13.2	20	
Trichlorofluoromethane	62	5.5	54.76	0	113	38	142	65.37	5.16	20	C

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **0901110-02AMSD** SampType: **MSD** TestCode: **DryFull8260_** Units: **µg/Kg-dry** Prep Date: RunNo: **40979**
Client ID: **Drum- Soil** Batch ID: **R40979b** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549507**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	57	5.5	54.76	0	104	40	145	56.94	0.270	20	
Surr: 4-Bromofluorobenzene	49		54.76		88.8	64	132		0	0	
Surr: Dibromofluoromethane	59		54.76		108	66	131		0	0	
Surr: Toluene-d8	59		54.76		108	54	132		0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **V624LCS-011209L** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: RunNo: **40979**
Client ID: **LCSW** Batch ID: **R40979** TestNo: **SW8260B** Analysis Date: **1/12/2009** SeqNo: **549489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	52	1.0	50.00	0	104	43	148				
1,1,2,2-Tetrachloroethane	51	1.0	50.00	0	101	32	148				
1,1,2-Trichloro-1,2,2-trifluoroethane	27	1.0	50.00	0	54.0	42	136				
1,1,2-Trichloroethane	50	1.0	50.00	0	100	42	136				
1,1-Dichloroethane	50	1.0	50.00	0	101	40	150				
1,1-Dichloroethene	61	1.0	50.00	0	122	30	154				
1,2,4,5-Tetramethylbenzene	48	1.0	50.00	0	95.3	35	135				
1,2-Dichlorobenzene	51	1.0	50.00	0	103	40	129				
1,2-Dichloroethane	49	1.0	50.00	0	97.9	36	141				
1,2-Dichloropropane	48	1.0	50.00	0	97.0	44	138				
1,3-Dichlorobenzene	52	1.0	50.00	0	105	40	133				
1,4-Dichlorobenzene	52	1.0	50.00	0	104	40	135				
2-Chloroethyl vinyl ether	48	1.0	50.00	0	95.5	21	139				
Benzene	50	1.0	50.00	0	101	45	144				
Bromodichloromethane	48	1.0	50.00	0	96.1	35	136				
Bromoform	52	1.0	50.00	0	104	28	138				
Bromomethane	59	1.0	50.00	0	119	26	148				
Carbon tetrachloride	54	1.0	50.00	0	107	45	141				
Chlorobenzene	52	1.0	50.00	0	105	41	142				
Chlorodifluoromethane	49	1.0	50.00	0	98.2	35	135				
Chloroethane	47	1.0	50.00	0	94.3	36	143				
Chloroform	50	1.0	50.00	0	101	42	137				
Chloromethane	61	1.0	50.00	0	123	35	151				
cis-1,3-Dichloropropene	48	1.0	50.00	0	96.7	42	130				
Dibromochloromethane	51	1.0	50.00	0	101	21	134				
Ethylbenzene	50	1.0	50.00	0	99.8	45	146				
Methylene chloride	54	1.0	50.00	0	108	30	148				B
p-Diethylbenzene	50	1.0	50.00	0	99.4	35	135				
p-Ethyltoluene	48	1.0	50.00	0	95.7	35	135				
Tetrachloroethene	50	1.0	50.00	0	100	45	136				
Toluene	50	1.0	50.00	0	100	43	134				

Qualifiers:

- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation li
- LOD Limit of Detection
- LOQ Limit of Quantitation
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- U Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: V624LCS-011209L	SampType: LCS	TestCode: Full8260_W	Units: µg/L	Prep Date:	RunNo: 40979
Client ID: LCSW	Batch ID: R40979	TestNo: SW8260B		Analysis Date: 1/12/2009	SeqNo: 549489

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	54	1.0	50.00	0	108	42	135				
trans-1,3-Dichloropropene	47	1.0	50.00	0	94.6	37	133				
Trichloroethene	52	1.0	50.00	0	105	43	140				
Trichlorofluoromethane	58	1.0	50.00	0	116	50	148				
Vinyl chloride	61	1.0	50.00	0	123	35	142				
Surr: 4-Bromofluorobenzene	48		50.00		96.1	60	130				
Surr: Dibromofluoromethane	50		50.00		100	63	127				
Surr: Toluene-d8	49		50.00		97.6	61	128				

Sample ID: VBLK-011209L	SampType: MBLK	TestCode: Full8260_W	Units: µg/L	Prep Date:	RunNo: 40979
Client ID: PBW	Batch ID: R40979	TestNo: SW8260B		Analysis Date: 1/12/2009	SeqNo: 549490

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	1.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-011209L** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: RunNo: **40979**
Client ID: **PBW** Batch ID: **R40979** TestNo: **SW8260B** Analysis Date: **1/12/2009** SeqNo: **549490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
1,4-Dioxane	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	3.0									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	2.0									
2-Propanol	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	2.0									
Acetone	U	2.0									
Acrolein	U	1.0									
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-011209L** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: RunNo: **40979**
Client ID: **PBW** Batch ID: **R40979** TestNo: **SW8260B** Analysis Date: **1/12/2009** SeqNo: **549490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	1.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	1.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	7.6	1.0									
n-Amyl acetate	U	1.0									
Naphthalene	U	1.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	1.0									C
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	1.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-011209L** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: RunNo: **40979**
Client ID: **PBW** Batch ID: **R40979** TestNo: **SW8260B** Analysis Date: **1/12/2009** SeqNo: **549490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									
Surr: 4-Bromofluorobenzene	51		50.00		101	60	130				
Surr: Dibromofluoromethane	53		50.00		106	63	127				
Surr: Toluene-d8	49		50.00		98.6	61	128				

Sample ID: **V624LCS-011309aL** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: RunNo: **40979**
Client ID: **LCSW** Batch ID: **R40979a** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549492**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	46	1.0	50.00	0	92.9	43	148				
1,1,2,2-Tetrachloroethane	49	1.0	50.00	0	98.3	32	148				
1,1,2-Trichloro-1,2,2-trifluoroethane	24	1.0	50.00	0	48.4	42	136				
1,1,2-Trichloroethane	47	1.0	50.00	0	94.8	42	136				
1,1-Dichloroethane	45	1.0	50.00	0	90.5	40	150				
1,1-Dichloroethene	59	1.0	50.00	0	119	30	154				
1,2,4,5-Tetramethylbenzene	42	1.0	50.00	0	84.7	35	135				
1,2-Dichlorobenzene	47	1.0	50.00	0	93.6	40	129				
1,2-Dichloroethane	44	1.0	50.00	0	88.5	36	141				
1,2-Dichloropropane	45	1.0	50.00	0	90.9	44	138				
1,3-Dichlorobenzene	46	1.0	50.00	0	91.0	40	133				
1,4-Dichlorobenzene	47	1.0	50.00	0	93.8	40	135				
2-Chloroethyl vinyl ether	45	1.0	50.00	0	89.3	21	139				
Benzene	47	1.0	50.00	0	93.2	45	144				
Bromodichloromethane	45	1.0	50.00	0	89.4	35	136				
Bromoform	48	1.0	50.00	0	95.7	28	138				
Bromomethane	53	1.0	50.00	0	106	26	148				
Carbon tetrachloride	48	1.0	50.00	0	95.0	45	141				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation li
LOD Limit of Detection
LOQ Limit of Quantitation
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
U Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **V624LCS-011309aL** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: RunNo: **40979**
Client ID: **LCSW** Batch ID: **R40979a** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549492**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	47	1.0	50.00	0	93.9	41	142				
Chlorodifluoromethane	43	1.0	50.00	0	85.8	35	135				
Chloroethane	62	1.0	50.00	0	124	36	143				
Chloroform	46	1.0	50.00	0	91.5	42	137				
Chloromethane	53	1.0	50.00	0	107	35	151				
cis-1,3-Dichloropropene	45	1.0	50.00	0	90.3	42	130				
Dibromochloromethane	48	1.0	50.00	0	96.1	21	134				
Ethylbenzene	44	1.0	50.00	0	88.6	45	146				
Methylene chloride	57	1.0	50.00	0	114	30	148				B
p-Diethylbenzene	43	1.0	50.00	0	85.2	35	135				
p-Ethyltoluene	42	1.0	50.00	0	83.8	35	135				
Tetrachloroethene	44	1.0	50.00	0	88.9	45	136				
Toluene	45	1.0	50.00	0	90.4	43	134				
trans-1,2-Dichloroethene	48	1.0	50.00	0	96.4	42	135				
trans-1,3-Dichloropropene	45	1.0	50.00	0	89.6	37	133				
Trichloroethene	49	1.0	50.00	0	97.7	43	140				
Trichlorofluoromethane	58	1.0	50.00	0	116	50	148				
Vinyl chloride	53	1.0	50.00	0	105	35	142				
Surr: 4-Bromofluorobenzene	48		50.00		95.2	60	130				
Surr: Dibromofluoromethane	51		50.00		102	63	127				
Surr: Toluene-d8	48		50.00		96.5	61	128				

Sample ID: **VBLK-011309aL** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: RunNo: **40979**
Client ID: **PBW** Batch ID: **R40979a** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation li
LOD Limit of Detection
LOQ Limit of Quantitation
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
U Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: VBLK-011309aL	SampType: MBLK	TestCode: Full8260_W	Units: µg/L	Prep Date:	RunNo: 40979
Client ID: PBW	Batch ID: R40979a	TestNo: SW8260B		Analysis Date: 1/13/2009	SeqNo: 549493

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	1.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
1,4-Dioxane	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	3.0									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	2.0									
2-Propanol	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	2.0									
Acetone	U	2.0									
Acrolein	U	1.0									
Acrylonitrile	U	1.0									
Benzene	U	1.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-011309aL** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: RunNo: **40979**
Client ID: **PBW** Batch ID: **R40979a** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	1.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	1.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	7.6	1.0									
n-Amyl acetate	U	1.0									
Naphthalene	U	1.0									
n-Butyl acetate	U	2.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-011309aL** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: RunNo: **40979**
Client ID: **PBW** Batch ID: **R40979a** TestNo: **SW8260B** Analysis Date: **1/13/2009** SeqNo: **549493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	1.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	1.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									
Surr: 4-Bromofluorobenzene	49		50.00		97.8	60	130				
Surr: Dibromofluoromethane	50		50.00		100	63	127				
Surr: Toluene-d8	48		50.00		96.6	61	128				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: TCLP_HG

Sample ID: LCSW-011209A	SampType: LCS	TestCode: TCLP_HG	Units: mg/L	Prep Date:	RunNo: 40829
Client ID: LCSS	Batch ID: 24231	TestNo: SW1311/7471 SW1311		Analysis Date: 1/13/2009	SeqNo: 546708

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00391	0.0200	0.004000	0	97.8	61	129				J

Sample ID: PBW-011209A	SampType: MBLK	TestCode: TCLP_HG	Units: mg/L	Prep Date:	RunNo: 40829
Client ID: PBS	Batch ID: 24231	TestNo: SW1311/7471 SW1311		Analysis Date: 1/13/2009	SeqNo: 546709

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	U	0.0200									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: TCLP_M

Sample ID: PBW-011209A	SampType: MBLK	TestCode: TCLP_M	Units: mg/L	Prep Date: 1/12/2009	RunNo: 40882
Client ID: PBS	Batch ID: 24292	TestNo: SW1311/6010 SW3010A		Analysis Date: 1/14/2009	SeqNo: 547538

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	U	0.0500									
Barium	U	0.0500									
Cadmium	U	0.0500									
Chromium	U	0.0500									
Lead	U	0.0500									
Selenium	U	0.0500									
Silver	U	0.0500									

Sample ID: LCSW-011209A	SampType: LCS	TestCode: TCLP_M	Units: mg/L	Prep Date: 1/12/2009	RunNo: 40882
Client ID: LCSS	Batch ID: 24292	TestNo: SW1311/6010 SW3010A		Analysis Date: 1/14/2009	SeqNo: 547539

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.03	0.0500	2.000	0	101	63	120				
Barium	2.00	0.0500	2.000	0	100	65	125				
Cadmium	2.00	0.0500	2.000	0	100	66	124				
Chromium	2.05	0.0500	2.000	0	103	66	128				
Lead	2.01	0.0500	2.000	0	101	63	123				
Selenium	2.00	0.0500	2.000	0	99.9	66	124				
Silver	1.98	0.0500	2.000	0	98.9	67	123				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: P.W. Grosser Consulting
Work Order: 0901110
Project: 1 Shore Rd., Glenwood Landing

ANALYTICAL QC SUMMARY REPORT

TestCode: TOX_L

Sample ID: MB-R41011	SampType: MBLK	TestCode: TOX_L	Units: mg/L	Prep Date:	RunNo: 41011
Client ID: PBW	Batch ID: R41011	TestNo: SW9020B		Analysis Date: 1/20/2009	SeqNo: 549882

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides (TOX)	U	2.00									

Sample ID: LCS-R41011	SampType: LCS	TestCode: TOX_L	Units: mg/L	Prep Date:	RunNo: 41011
Client ID: LCSW	Batch ID: R41011	TestNo: SW9020B		Analysis Date: 1/20/2009	SeqNo: 549883

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides (TOX)	30.0	2.00	31.50	0	95.2	72	123				

Sample ID: 0901255-01A-MS	SampType: MS	TestCode: TOX_L	Units: mg/L	Prep Date:	RunNo: 41011
Client ID: ZZZZZZ	Batch ID: R41011	TestNo: SW9020B		Analysis Date: 1/20/2009	SeqNo: 549886

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides (TOX)	23.0	2.00	31.50	0	73.0	72	123				

Sample ID: 0901255-01A-MSD	SampType: MSD	TestCode: TOX_L	Units: mg/L	Prep Date:	RunNo: 41011
Client ID: ZZZZZZ	Batch ID: R41011	TestNo: SW9020B		Analysis Date: 1/20/2009	SeqNo: 549887

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides (TOX)	26.0	2.00	31.50	0	82.5	72	123	23.00	12.2	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
LOD	Limit of Detection	LOQ	Limit of Quantitation	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

LONG ISLAND ANALYTICAL LABORATORIES INC.

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

September 23, 2008

P.W. Grosser Consulting
John Etchler
630 Johnson Avenue, Suite 7
Bohemia, NY 11716

Re: 1 Shore Road, Glenwood Landing, NY

Dear Mr. Etchler:

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on September 18, 2008 Long Island Analytical Laboratories analyzed the samples on September 22, 2008 for the following:

CLIENT ID	ANALYSIS
MW-1	EPA 8260, Total (23) Metals
MW-2	EPA 8260, Total (23) Metals
MW-3	EPA 8260, Total (23) Metals
MW-4	EPA 8260, Total (23) Metals
MW-5	EPA 8260, Total (23) Metals
MW-6	EPA 8260, Total (23) Metals
MW-7	EPA 8260, Total (23) Metals
MW-8	EPA 8260, Total (23) Metals
MW-8D	EPA 8260, Total (23) Metals
MW-9	EPA 8260, Total (23) Metals
MW-9D	EPA 8260, Total (23) Metals
MW-10	EPA 8260, Total (23) Metals
Trip Blank	EPA 8260

Samples received at 2°C.

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted with the appropriate flag. Report shall not be reproduced except in full, without the written approval of the laboratory. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

LONG
ISLAND
ANALYTICAL
LABORATORIES INC.

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LONG ISLAND ANALYTICAL LABORATORIES, INC.
DATA REPORTING FLAGS

For reporting results, the following "Flags" are used:

A: Time not supplied by client, may have exceeded holding time
B: Holding time exceeded, results cannot be used for regulatory purposes
C: Minimum detection limit raised due to matrix interference
D: Minimum detection limit raised due to target compound interference
E: Minimum detection limit raised due to non-target compound interference
F: Minimum detection limit raised due to insufficient sample volume
G: Sample received in incorrect container
H: Sample not preserved, corrected upon receipt
I: Dilution Water does not meet QC Criteria
J: Estimated concentration, exceeds calibration range
K: Target compound found in blank
L: Subcontractor ELAP #11398
M: Subcontractor ELAP #10320
N: Subcontractor NVLAP #102047.0
O: Subcontractor AIHA #103005
P: Subcontractor A2LA 2004-01
Q: Subcontractor ELAP #11026
R: Subcontractor ELAP #10155
S: Subcontractor ELAP #11501
T: Subcontractor CTC
U: Subcontractor ELAP #11685
V: QC affected by matrix
W: Subcontractor ELAP #10248
X: QC does not meet acceptance criteria
Y: Sample container received with head space
Z: Insufficient sample volume received
AA: Preliminary results, cannot be used for regulatory purposes.
BB: Spike recovery does not meet QC criteria due to high target concentration
CC: Date reported below the lower limit of quantitation and should be considered to have an increased quantitative uncertainty.
DD: Sampling information not supplied and/or sample not taken by qualified technician, therefore verifiability of the report is limited to results only. Report cannot be used for regulatory purposes.
EE: Subcontractor ELAP : #11777
FF: Unable to verify that the wipe samples submitted conform to ASTM E1792 or specifications issued by the EPA.
GG: Level found exceeds the maximum contaminant level (MCL) as set by local, state or federal agencies.
HH: Subcontractor ELAP #10750
II: Subcontractor ELAP #10145
JJ: Subcontractor ELAP #11838

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-1)
Date received: 9/18/08	Laboratory ID: 1164667
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS	ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5		
CHLOROMETHANE	74-87-3	5 ug/L	<5		
VINYL CHLORIDE	75-01-4	5 ug/L	<5		
BROMOMETHANE	74-83-9	5 ug/L	<5		
CHLOROETHANE	75-00-3	5 ug/L	<5		
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5		
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5		
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5		
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5		
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5		
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5		
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	<5		
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5		
CHLOROFORM	67-66-3	5 ug/L	<5		
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5		
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5		
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5		
BENZENE	71-43-2	0.7 ug/L	<0.7		
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5		
TRICHLOROETHENE	79-01-6	5 ug/L	<5		
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5		
DIBROMOMETHANE	74-95-3	5 ug/L	<5		
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5		
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5		
TOLUENE	108-88-3	5 ug/L	<5		
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5		
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5		
TETRACHLOROETHYLENE	127-18-4	5 ug/L	25		
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5		
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5		
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5		
CHLOROBENZENE	108-90-7	5 ug/L	<5		
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5		
ETHYLBENZENE	100-41-4	5 ug/L	<5		
STYRENE	100-42-5	5 ug/L	<5		
BROMOFORM	75-25-2	5 ug/L	<5		

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-1)
Date received: 9/18/08	Laboratory ID: 1164667
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
110 Colin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-1)
Date received: 9/18/08	Laboratory ID: 1164667
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	0.06	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	73.5	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	<0.05	
IRON, Fe	0.05 mg/L	9/19/08	0.08	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	7.88	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	10.0	
MANGANESE, Mn	0.05 mg/L	9/19/08	<0.05	
SODIUM, Na	0.05 mg/L	9/19/08	274	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	<0.005	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	<0.05	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
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Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-2)
Date received: 9/18/08	Laboratory ID: 1164668
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	<5	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	<5	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	<5	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-2)
Date received: 9/18/08	Laboratory ID: 1164668
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-2)
Date received: 9/18/08	Laboratory ID: 1164668
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	1.08	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	12.6	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	0.06	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	<0.05	
IRON, Fe	0.05 mg/L	9/19/08	1.99	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	1.58	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	1.85	
MANGANESE, Mn	0.05 mg/L	9/19/08	0.94	
SODIUM, Na	0.05 mg/L	9/19/08	12.7	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	0.005	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	0.06	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-3)
Date received: 9/18/08	Laboratory ID: 1164669
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	6	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	5	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	<5	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-3)
Date received: 9/18/08	Laboratory ID: 1164669
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-3)
Date received: 9/18/08	Laboratory ID: 1164669
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	0.57	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	116	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	<0.05	
IRON, Fe	0.05 mg/L	9/19/08	5.34	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	18.4	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	11.0	
MANGANESE, Mn	0.05 mg/L	9/19/08	0.32	
SODIUM, Na	0.05 mg/L	9/19/08	138	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	0.007	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	0.09	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-4)
Date received: 9/18/08	Laboratory ID: 1164670
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	<5	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	8	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	<5	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-4)
Date received: 9/18/08	Laboratory ID: 1164670
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-4)
Date received: 9/18/08	Laboratory ID: 1164670
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	<0.05	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	24.0	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	0.08	
IRON, Fe	0.05 mg/L	9/19/08	2.04	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	10.8	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	4.11	
MANGANESE, Mn	0.05 mg/L	9/19/08	0.39	
SODIUM, Na	0.05 mg/L	9/19/08	37.0	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	<0.005	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	<0.05	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-5)
Date received: 9/18/08	Laboratory ID: 1164671
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	<5	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	6	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	<5	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-5)
Date received: 9/18/08	Laboratory ID: 1164671
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-5)
Date received: 9/18/08	Laboratory ID: 1164671
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	0.07	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	27.2	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	<0.05	
IRON, Fe	0.05 mg/L	9/19/08	3.30	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	12.4	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	4.67	
MANGANESE, Mn	0.05 mg/L	9/19/08	0.06	
SODIUM, Na	0.05 mg/L	9/19/08	42.9	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	<0.005	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	<0.05	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

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"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
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Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-6)
Date received: 9/18/08	Laboratory ID: 1164672
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	<5	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	<5	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	<5	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-6)
Date received: 9/18/08	Laboratory ID: 1164672
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-6)
Date received: 9/18/08	Laboratory ID: 1164672
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	30.8	
ARSENIC, As	0.05 mg/L	9/19/08	0.06	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	23.3	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	0.05	
COPPER, Cu	0.05 mg/L	9/19/08	0.05	
IRON, Fe	0.05 mg/L	9/19/08	41.5	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	4.60	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	8.89	
MANGANESE, Mn	0.05 mg/L	9/19/08	0.10	
SODIUM, Na	0.05 mg/L	9/19/08	28.1	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	0.039	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	0.34	
ZINC, Zn	0.05 mg/L	9/19/08	0.11	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
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Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-7)
Date received: 9/18/08	Laboratory ID: 1164673
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	<5	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	<5	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	271	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-7)
Date received: 9/18/08	Laboratory ID: 1164673
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-7)
Date received: 9/18/08	Laboratory ID: 1164673
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	1.22	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	121	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	<0.05	
IRON, Fe	0.05 mg/L	9/19/08	0.46	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	7.63	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	13.3	
MANGANESE, Mn	0.05 mg/L	9/19/08	0.08	
SODIUM, Na	0.05 mg/L	9/19/08	128	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	<0.005	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	<0.05	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
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Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-8)
Date received: 9/18/08	Laboratory ID: 1164674
Date extracted: 9/22/08	Matrix: Liquid
Date analyzed: 9/22/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<50	D
CHLOROMETHANE	74-87-3	5 ug/L	<50	D
VINYL CHLORIDE	75-01-4	5 ug/L	<50	D
BROMOMETHANE	74-83-9	5 ug/L	<50	D
CHLOROETHANE	75-00-3	5 ug/L	<50	D
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<50	D
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<50	D
METHYLENE CHLORIDE	75-09-2	5 ug/L	<50	D
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<50	D
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<50	D
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<50	D
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	1,022	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<50	D
CHLOROFORM	67-66-3	5 ug/L	<50	D
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<50	D
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<50	D
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<50	D
BENZENE	71-43-2	0.7 ug/L	<7.0	D
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<50	D
TRICHLOROETHENE	79-01-6	5 ug/L	742	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<50	D
DIBROMOMETHANE	74-95-3	5 ug/L	<50	D
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<50	D
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<50	D
TOLUENE	108-88-3	5 ug/L	<50	D
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<50	D
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<50	D
TETRACHLOROETHYLENE	127-18-4	5 ug/L	5,994	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<50	D
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<50	D
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<50	D
CHLOROBENZENE	108-90-7	5 ug/L	<50	D
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<50	D
ETHYLBENZENE	100-41-4	5 ug/L	<50	D
STYRENE	100-42-5	5 ug/L	<50	D
BROMOFORM	75-25-2	5 ug/L	<50	D

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-8)
Date received: 9/18/08	Laboratory ID: 1164674
Date extracted: 9/22/08	Matrix: Liquid
Date analyzed: 9/22/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<50	D
BROMOBENZENE	108-86-1	5 ug/L	<50	D
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<50	D
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<50	D
n-PROPYLBENZENE	103-65-1	5 ug/L	<50	D
2-CHLOROTOLUENE	95-49-8	5 ug/L	<50	D
4-CHLOROTOLUENE	106-43-4	5 ug/L	<50	D
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<50	D
tert-BUTYLBENZENE	98-06-6	5 ug/L	<50	D
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<50	D
sec-BUTYLBENZENE	135-98-8	5 ug/L	<50	D
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<50	D
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<50	D
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<50	D
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<50	D
n-BUTYLBENZENE	104-51-8	5 ug/L	<50	D
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<50	D
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<50	D
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<50	D
NAPHTHALENE	91-20-3	5 ug/L	<50	D
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<50	D
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<50	D
ACETONE	67-64-1	50 ug/L	<500	D
METHYL ETHYL KETONE	78-93-3	10 ug/L	<100	D
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<50	D
p & m-XYLENES	1330-20-7	10 ug/L	<100	D
o-XYLENE	1330-20-7	5 ug/L	<50	D
CARBON DISULFIDE	751-15-0	5 ug/L	<50	D
MTBE	1634-04-4	5 ug/L	<50	D
VINYL ACETATE	108-05-4	5 ug/L	<50	D
2-HEXANONE	591-78-6	5 ug/L	<50	D

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-8)
Date received: 9/18/08	Laboratory ID: 1164674
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	1.05	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	117	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	<0.05	
IRON, Fe	0.05 mg/L	9/19/08	8.26	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	6.51	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	15.5	
MANGANESE, Mn	0.05 mg/L	9/19/08	0.32	
SODIUM, Na	0.05 mg/L	9/19/08	124	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	<0.005	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	0.05	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-8D)
Date received: 9/18/08	Laboratory ID: 1164675
Date extracted: 9/22/08	Matrix: Liquid
Date analyzed: 9/22/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	18	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	7	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	308	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-8D)
Date received: 9/18/08	Laboratory ID: 1164675
Date extracted: 9/22/08	Matrix: Liquid
Date analyzed: 9/22/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-8D)
Date received: 9/18/08	Laboratory ID: 1164675
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	1.19	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	18.5	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	<0.05	
IRON, Fe	0.05 mg/L	9/19/08	0.59	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	1.26	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	7.98	
MANGANESE, Mn	0.05 mg/L	9/19/08	<0.05	
SODIUM, Na	0.05 mg/L	9/19/08	16.7	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	<0.005	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	<0.05	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-9)
Date received: 9/18/08	Laboratory ID: 1164676
Date extracted: 9/22/08	Matrix: Liquid
Date analyzed: 9/22/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	17	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	9	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	175	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-9)
Date received: 9/18/08	Laboratory ID: 1164676
Date extracted: 9/22/08	Matrix: Liquid
Date analyzed: 9/22/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-9)
Date received: 9/18/08	Laboratory ID: 1164676
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	0.90	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	155	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	<0.05	
IRON, Fe	0.05 mg/L	9/19/08	0.46	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	16.9	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	23.6	
MANGANESE, Mn	0.05 mg/L	9/19/08	<0.05	
SODIUM, Na	0.05 mg/L	9/19/08	189	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	<0.005	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	0.06	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
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Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-9D)
Date received: 9/18/08	Laboratory ID: 1164677
Date extracted: 9/22/08	Matrix: Liquid
Date analyzed: 9/22/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	<5	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	<5	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	12	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-9D)
Date received: 9/18/08	Laboratory ID: 1164677
Date extracted: 9/22/08	Matrix: Liquid
Date analyzed: 9/22/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-9D)
Date received: 9/18/08	Laboratory ID: 1164677
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	0.55	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	18.0	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	<0.05	
IRON, Fe	0.05 mg/L	9/19/08	0.34	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	1.14	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	8.08	
MANGANESE, Mn	0.05 mg/L	9/19/08	<0.05	
SODIUM, Na	0.05 mg/L	9/19/08	18.5	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	<0.005	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	<0.05	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-10)
Date received: 9/18/08	Laboratory ID: 1164678
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	<5	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	<5	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	121	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-10)
Date received: 9/18/08	Laboratory ID: 1164678
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (MW-10)
Date received: 9/18/08	Laboratory ID: 1164678
Date analyzed: See Below	Matrix: Liquid

Target Compound List-Metals

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	9/19/08	<0.05	
ALUMINUM, Al	0.05 mg/L	9/19/08	0.65	
ARSENIC, As	0.05 mg/L	9/19/08	<0.05	
BARIUM, Ba	1.00 mg/L	9/19/08	<1.00	
BERYLLIUM, Be	0.05 mg/L	9/19/08	<0.05	
CALCIUM, Ca	0.05 mg/L	9/19/08	55.6	
CADMIUM, Cd	0.05 mg/L	9/19/08	<0.05	
COBALT, Co	0.05 mg/L	9/19/08	<0.05	
CHROMIUM, Cr	0.05 mg/L	9/19/08	<0.05	
COPPER, Cu	0.05 mg/L	9/19/08	<0.05	
IRON, Fe	0.05 mg/L	9/19/08	0.29	
MERCURY, Hg•	0.002 mg/L	9/19/08	<0.002	
POTASSIUM, K	0.05 mg/L	9/19/08	3.20	
MAGNESIUM, Mg	0.05 mg/L	9/19/08	7.65	
MANGANESE, Mn	0.05 mg/L	9/19/08	<0.05	
SODIUM, Na	0.05 mg/L	9/19/08	78.6	
NICKEL, Ni	0.05 mg/L	9/19/08	<0.05	
LEAD, Pb	0.005 mg/L	9/19/08	<0.005	
ANTIMONY, Sb	0.05 mg/L	9/19/08	<0.05	
SELENIUM, Se	0.05 mg/L	9/19/08	<0.05	
THALIUM, Tl	0.05 mg/L	9/19/08	<0.05	
VANADIUM, V	0.05 mg/L	9/19/08	<0.05	
ZINC, Zn	0.05 mg/L	9/19/08	<0.05	

MDL = Minimum Detection Limit.
Method: EPA 200.7
•Method: EPA 245.2

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (Field Blank)
Date received: 9/18/08	Laboratory ID: 1164679
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
DICHLORODIFLUOROMETHANE	75-71-8	5 ug/L	<5	
CHLOROMETHANE	74-87-3	5 ug/L	<5	
VINYL CHLORIDE	75-01-4	5 ug/L	<5	
BROMOMETHANE	74-83-9	5 ug/L	<5	
CHLOROETHANE	75-00-3	5 ug/L	<5	
TRICHLOROFLUOROMETHANE	75-69-4	5 ug/L	<5	
1,1-DICHLOROETHENE	75-35-4	5 ug/L	<5	
METHYLENE CHLORIDE	75-09-2	5 ug/L	<5	
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/L	<5	
1,1-DICHLOROETHANE	75-34-3	5 ug/L	<5	
2,2-DICHLOROPROPANE	594-20-7	5 ug/L	<5	
cis-1,2-DICHLOROETHENE	156-59-2	5 ug/L	<5	
BROMOCHLOROMETHANE	74-97-5	5 ug/L	<5	
CHLOROFORM	67-66-3	5 ug/L	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/L	<5	
CARBON TETRACHLORIDE	56-23-5	5 ug/L	<5	
1,1-DICHLOROPROPENE	563-58-6	5 ug/L	<5	
BENZENE	71-43-2	0.7 ug/L	<0.7	
1,2-DICHLOROETHANE	107-06-2	5 ug/L	<5	
TRICHLOROETHENE	79-01-6	5 ug/L	<5	
1,2-DICHLOROPROPANE	78-87-5	5 ug/L	<5	
DIBROMOMETHANE	74-95-3	5 ug/L	<5	
BROMODICHLOROMETHANE	75-27-4	5 ug/L	<5	
cis-1,3-DICHLOROPROPENE	10061-01-5	5 ug/L	<5	
TOLUENE	108-88-3	5 ug/L	<5	
trans-1,3-DICHLOROPROPENE	10061-02-6	5 ug/L	<5	
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/L	<5	
TETRACHLOROETHYLENE	127-18-4	5 ug/L	<5	
1,3-DICHLOROPROPANE	142-28-9	5 ug/L	<5	
DIBROMOCHLOROMETHANE	124-48-1	5 ug/L	<5	
1,2-DIBROMOETHANE	106-93-4	5 ug/L	<5	
CHLOROBENZENE	108-90-7	5 ug/L	<5	
1,1,1,2-TETRACHLOROETHANE	630-20-6	5 ug/L	<5	
ETHYLBENZENE	100-41-4	5 ug/L	<5	
STYRENE	100-42-5	5 ug/L	<5	
BROMOFORM	75-25-2	5 ug/L	<5	

MDL = Minimum Detection Limit.

Client: PW Grosser	Client ID: 1 Shore Rd, Glenwood Landing (Field Blank)
Date received: 9/18/08	Laboratory ID: 1164679
Date extracted: 9/19/08	Matrix: Liquid
Date analyzed: 9/19/08	ELAP #: 11693

EPA METHOD 8260B

PARAMETER	CAS No.	MDL	RESULTS ug/L	Flag
ISOPROPYLBENZENE	98-82-8	5 ug/L	<5	
BROMOBENZENE	108-86-1	5 ug/L	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/L	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5 ug/L	<5	
n-PROPYLBENZENE	103-65-1	5 ug/L	<5	
2-CHLOROTOLUENE	95-49-8	5 ug/L	<5	
4-CHLOROTOLUENE	106-43-4	5 ug/L	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5 ug/L	<5	
tert-BUTYLBENZENE	98-06-6	5 ug/L	<5	
1,2,4-TRIMETHYLBENZENE	95-63-6	5 ug/L	<5	
sec-BUTYLBENZENE	135-98-8	5 ug/L	<5	
1,3-DICHLOROBENZENE	541-73-1	5 ug/L	<5	
P-ISOPROPYLTOLUENE	99-87-6	5 ug/L	<5	
1,4-DICHLOROBENZENE	106-46-7	5 ug/L	<5	
1,2-DICHLOROBENZENE	95-50-1	5 ug/L	<5	
n-BUTYLBENZENE	104-51-8	5 ug/L	<5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	5 ug/L	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/L	<5	
HEXACHLOROBUTADIENE	87-68-3	5 ug/L	<5	
NAPHTHALENE	91-20-3	5 ug/L	<5	
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/L	<5	
2-CHLOROETHYLVINYL ETHER	110-75-8	5 ug/L	<5	
ACETONE	67-64-1	50 ug/L	<50	
METHYL ETHYL KETONE	78-93-3	10 ug/L	<10	
METHYL ISOBUTYL KETONE	108-10-1	5 ug/L	<5	
p & m-XYLENES	1330-20-7	10 ug/L	<10	
o-XYLENE	1330-20-7	5 ug/L	<5	
CARBON DISULFIDE	751-15-0	5 ug/L	<5	
MTBE	1634-04-4	5 ug/L	<5	
VINYL ACETATE	108-05-4	5 ug/L	<5	
2-HEXANONE	591-78-6	5 ug/L	<5	

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
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ALPHA ANALYTICAL

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com
MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: P.W. Grosser

Address: 630 Johnson Avenue
Suite 7
Bohemia, NY 11716

Attn: Mr. John Eichler

Project Number: PEN0001

Laboratory Job Number: L0904242

Date Received: 07-APR-2009

Date Reported: 13-APR-2009

Delivery Method: Alpha

Site: PENETREX

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0904242-01	MW-1	GLENWOOD LANDING, NY
L0904242-02	MW-2	GLENWOOD LANDING, NY
L0904242-03	MW-3	GLENWOOD LANDING, NY
L0904242-04	MW-4	GLENWOOD LANDING, NY
L0904242-05	MW-5	GLENWOOD LANDING, NY
L0904242-06	MW-6	GLENWOOD LANDING, NY
L0904242-07	MW-7	GLENWOOD LANDING, NY
L0904242-08	MW-8	GLENWOOD LANDING, NY
L0904242-09	MW-8D	GLENWOOD LANDING, NY
L0904242-10	MW-9	GLENWOOD LANDING, NY
L0904242-11	MW-9D	GLENWOOD LANDING, NY
L0904242-12	MW-10	GLENWOOD LANDING, NY
L0904242-13	DUP-01	GLENWOOD LANDING, NY
L0904242-14	FB-01	GLENWOOD LANDING, NY
L0904242-15	TRIP BLANK	GLENWOOD LANDING, NY

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Michelle M. Morris
Technical Representative

ALPHA ANALYTICAL
NARRATIVE REPORT

Laboratory Job Number: L0904242

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Total Metals

L0904242-01 has an elevated detection limit for Sodium due to the 5x dilution required to quantitate the result within the calibration range.

L0904242-07 has an elevated detection limit for Silver due to the 10x dilution required by spectral interferences encountered during analysis.

Volatile Organics

The following samples have elevated detection limits due to the following dilutions required by the elevated concentrations of target compounds in the samples:

L0904242-01: 2x

L0904242-08: 25x

L0904242-10: 10x

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-01
MW-1
Sample Matrix: WATER

Date Collected: 06-APR-2009 11:33
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0409 13:50	0410 14:27	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:27	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:27	AI
Barium, Total	0.180	mg/l	0.010	1	6010B	0409 13:50	0410 14:27	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:27	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:27	AI
Calcium, Total	75	mg/l	0.10	1	6010B	0409 13:50	0411 18:44	TD
Chromium, Total	0.01	mg/l	0.01	1	6010B	0409 13:50	0410 14:27	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:27	AI
Copper, Total	0.011	mg/l	0.010	1	6010B	0409 13:50	0410 14:27	AI
Iron, Total	0.21	mg/l	0.05	1	6010B	0409 13:50	0410 14:27	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:27	AI
Magnesium, Total	9.8	mg/l	0.10	1	6010B	0409 13:50	0411 18:44	TD
Manganese, Total	0.353	mg/l	0.010	1	6010B	0409 13:50	0410 14:27	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:02	EZ
Nickel, Total	ND	mg/l	0.025	1	6010B	0409 13:50	0410 14:27	AI
Potassium, Total	6.8	mg/l	2.5	1	6010B	0409 13:50	0410 14:27	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:27	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 14:27	AI
Sodium, Total	380	mg/l	10	1	6010B	0409 13:50	0410 15:30	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:27	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:27	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:27	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 12:17	PD
Methylene chloride	ND	ug/l	10.					
1,1-Dichloroethane	ND	ug/l	1.5					
Chloroform	ND	ug/l	1.5					
Carbon tetrachloride	ND	ug/l	1.0					
1,2-Dichloropropane	ND	ug/l	3.5					
Dibromochloromethane	ND	ug/l	1.0					
1,1,2-Trichloroethane	ND	ug/l	1.5					
Tetrachloroethene	62	ug/l	1.0					
Chlorobenzene	ND	ug/l	1.0					
Trichlorofluoromethane	ND	ug/l	5.0					
1,2-Dichloroethane	ND	ug/l	1.0					
1,1,1-Trichloroethane	ND	ug/l	1.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-01
MW-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 12:17	PD
Bromodichloromethane	ND	ug/l	1.0					
trans-1,3-Dichloropropene	ND	ug/l	1.0					
cis-1,3-Dichloropropene	ND	ug/l	1.0					
1,1-Dichloropropene	ND	ug/l	5.0					
Bromoform	ND	ug/l	4.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0					
Benzene	ND	ug/l	1.0					
Toluene	ND	ug/l	1.5					
Ethylbenzene	ND	ug/l	1.0					
Chloromethane	ND	ug/l	5.0					
Bromomethane	ND	ug/l	2.0					
Vinyl chloride	ND	ug/l	2.0					
Chloroethane	ND	ug/l	2.0					
1,1-Dichloroethene	ND	ug/l	1.0					
trans-1,2-Dichloroethene	ND	ug/l	1.5					
Trichloroethene	ND	ug/l	1.0					
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
Methyl tert butyl ether	ND	ug/l	2.0					
p/m-Xylene	ND	ug/l	2.0					
o-Xylene	ND	ug/l	2.0					
cis-1,2-Dichloroethene	ND	ug/l	1.0					
Dibromomethane	ND	ug/l	10.					
1,2,3-Trichloropropane	ND	ug/l	10.					
Acrylonitrile	ND	ug/l	10.					
Styrene	ND	ug/l	2.0					
Dichlorodifluoromethane	ND	ug/l	10.					
Acetone	ND	ug/l	10.					
Carbon disulfide	ND	ug/l	10.					
2-Butanone	ND	ug/l	10.					
Vinyl acetate	ND	ug/l	10.					
4-Methyl-2-pentanone	ND	ug/l	10.					
2-Hexanone	ND	ug/l	10.					
Bromochloromethane	ND	ug/l	5.0					
2,2-Dichloropropane	ND	ug/l	5.0					
1,2-Dibromoethane	ND	ug/l	4.0					
1,3-Dichloropropane	ND	ug/l	5.0					
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0					
Bromobenzene	ND	ug/l	5.0					
n-Butylbenzene	ND	ug/l	1.0					
sec-Butylbenzene	ND	ug/l	1.0					
tert-Butylbenzene	ND	ug/l	5.0					
o-Chlorotoluene	ND	ug/l	5.0					
p-Chlorotoluene	ND	ug/l	5.0					
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0					
Hexachlorobutadiene	ND	ug/l	1.2					
Isopropylbenzene	ND	ug/l	1.0					
p-Isopropyltoluene	ND	ug/l	1.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-01
MW-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 12:17	PD
Naphthalene	ND	ug/l	5.0					
n-Propylbenzene	ND	ug/l	1.0					
1,2,3-Trichlorobenzene	ND	ug/l	5.0					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
1,3,5-Trimethylbenzene	ND	ug/l	5.0					
1,2,4-Trimethylbenzene	ND	ug/l	5.0					
1,4-Diethylbenzene	ND	ug/l	4.0					
4-Ethyltoluene	ND	ug/l	4.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	4.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	103	%	70-130					
Toluene-d8	100	%	70-130					
4-Bromofluorobenzene	104	%	70-130					
Dibromofluoromethane	104	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-02
MW-2
Sample Matrix: WATER

Date Collected: 06-APR-2009 07:59
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Plastic,6-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0409 13:50	0410 14:15	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:15	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:15	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:15	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:15	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:15	AI
Calcium, Total	11	mg/l	0.10	1	6010B	0409 13:50	0411 18:34	TD
Chromium, Total	ND	mg/l	0.01	1	6010B	0409 13:50	0410 14:15	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:15	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:15	AI
Iron, Total	0.21	mg/l	0.05	1	6010B	0409 13:50	0410 14:15	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:15	AI
Magnesium, Total	1.6	mg/l	0.10	1	6010B	0409 13:50	0411 18:34	TD
Manganese, Total	0.131	mg/l	0.010	1	6010B	0409 13:50	0410 14:15	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:03	EZ
Nickel, Total	ND	mg/l	0.025	1	6010B	0409 13:50	0410 14:15	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0409 13:50	0410 14:15	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:15	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 14:15	AI
Sodium, Total	9.0	mg/l	2.0	1	6010B	0409 13:50	0410 14:15	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:15	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:15	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:15	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 12:53	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	5.1	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-02
MW-2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 12:53	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-02
MW-2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 12:53	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	104	%	70-130					
Toluene-d8	101	%	70-130					
4-Bromofluorobenzene	105	%	70-130					
Dibromofluoromethane	103	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-03
MW-3
Sample Matrix: WATER

Date Collected: 06-APR-2009 09:08
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	2.6	mg/l	0.10	1	6010B	0409 13:50	0410 14:30	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:30	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:30	AI
Barium, Total	0.075	mg/l	0.010	1	6010B	0409 13:50	0410 14:30	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:30	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:30	AI
Calcium, Total	40	mg/l	0.10	1	6010B	0409 13:50	0411 18:47	TD
Chromium, Total	0.07	mg/l	0.01	1	6010B	0409 13:50	0410 14:30	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:30	AI
Copper, Total	0.047	mg/l	0.010	1	6010B	0409 13:50	0410 14:30	AI
Iron, Total	7.8	mg/l	0.05	1	6010B	0409 13:50	0410 14:30	AI
Lead, Total	0.043	mg/l	0.010	1	6010B	0409 13:50	0410 14:30	AI
Magnesium, Total	9.8	mg/l	0.10	1	6010B	0409 13:50	0411 18:47	TD
Manganese, Total	1.30	mg/l	0.010	1	6010B	0409 13:50	0410 14:30	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:09	EZ
Nickel, Total	0.049	mg/l	0.025	1	6010B	0409 13:50	0410 14:30	AI
Potassium, Total	3.5	mg/l	2.5	1	6010B	0409 13:50	0410 14:30	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:30	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 14:30	AI
Sodium, Total	52	mg/l	2.0	1	6010B	0409 13:50	0410 14:30	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:30	AI
Vanadium, Total	0.015	mg/l	0.010	1	6010B	0409 13:50	0410 14:30	AI
Zinc, Total	0.229	mg/l	0.050	1	6010B	0409 13:50	0410 14:30	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 13:28	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	1.1	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-03
MW-3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 13:28	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	1.2	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	1.8	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	8.8	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-03
MW-3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 13:28	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	101	%	70-130					
Toluene-d8	101	%	70-130					
4-Bromofluorobenzene	104	%	70-130					
Dibromofluoromethane	106	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-04
MW-4
Sample Matrix: WATER

Date Collected: 06-APR-2009 10:02
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0409 13:50	0410 14:33	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:33	AI
Arsenic, Total	0.009	mg/l	0.005	1	6010B	0409 13:50	0410 14:33	AI
Barium, Total	0.050	mg/l	0.010	1	6010B	0409 13:50	0410 14:33	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:33	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:33	AI
Calcium, Total	41	mg/l	0.10	1	6010B	0409 13:50	0411 18:49	TD
Chromium, Total	ND	mg/l	0.01	1	6010B	0409 13:50	0410 14:33	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:33	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:33	AI
Iron, Total	4.9	mg/l	0.05	1	6010B	0409 13:50	0410 14:33	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:33	AI
Magnesium, Total	7.0	mg/l	0.10	1	6010B	0409 13:50	0411 18:49	TD
Manganese, Total	0.190	mg/l	0.010	1	6010B	0409 13:50	0410 14:33	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:11	EZ
Nickel, Total	ND	mg/l	0.025	1	6010B	0409 13:50	0410 14:33	AI
Potassium, Total	11	mg/l	2.5	1	6010B	0409 13:50	0410 14:33	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:33	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 14:33	AI
Sodium, Total	79	mg/l	2.0	1	6010B	0409 13:50	0410 14:33	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:33	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:33	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:33	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 14:03	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	0.82	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-04
MW-4

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 14:03	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	1.8	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	0.77	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-04
MW-4

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 14:03	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	101	%	70-130					
Toluene-d8	102	%	70-130					
4-Bromofluorobenzene	102	%	70-130					
Dibromofluoromethane	102	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-05
MW-5
Sample Matrix: WATER

Date Collected: 06-APR-2009 10:45
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	0.16	mg/l	0.10	1	6010B	0409 13:50	0410 14:44	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:44	AI
Arsenic, Total	0.006	mg/l	0.005	1	6010B	0409 13:50	0410 14:44	AI
Barium, Total	0.032	mg/l	0.010	1	6010B	0409 13:50	0410 14:44	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:44	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:44	AI
Calcium, Total	26	mg/l	0.10	1	6010B	0409 13:50	0411 19:03	TD
Chromium, Total	ND	mg/l	0.01	1	6010B	0409 13:50	0410 14:44	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:44	AI
Copper, Total	0.090	mg/l	0.010	1	6010B	0409 13:50	0410 14:44	AI
Iron, Total	1.4	mg/l	0.05	1	6010B	0409 13:50	0410 14:44	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:44	AI
Magnesium, Total	4.9	mg/l	0.10	1	6010B	0409 13:50	0411 19:03	TD
Manganese, Total	0.061	mg/l	0.010	1	6010B	0409 13:50	0410 14:44	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:12	EZ
Nickel, Total	ND	mg/l	0.025	1	6010B	0409 13:50	0410 14:44	AI
Potassium, Total	11	mg/l	2.5	1	6010B	0409 13:50	0410 14:44	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:44	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 14:44	AI
Sodium, Total	48	mg/l	2.0	1	6010B	0409 13:50	0410 14:44	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:44	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:44	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:44	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 14:39	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-05
MW-5

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 14:39	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	1.1	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-05
MW-5

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 14:39	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	101	%	70-130					
Toluene-d8	103	%	70-130					
4-Bromofluorobenzene	102	%	70-130					
Dibromofluoromethane	103	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-06
MW-6
Sample Matrix: WATER

Date Collected: 06-APR-2009 14:25
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	7.5	mg/l	0.10	1	6010B	0409 13:50	0410 14:47	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:47	AI
Arsenic, Total	0.031	mg/l	0.005	1	6010B	0409 13:50	0410 14:47	AI
Barium, Total	0.067	mg/l	0.010	1	6010B	0409 13:50	0410 14:47	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:47	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:47	AI
Calcium, Total	24	mg/l	0.10	1	6010B	0409 13:50	0411 19:06	TD
Chromium, Total	0.02	mg/l	0.01	1	6010B	0409 13:50	0410 14:47	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:47	AI
Copper, Total	0.026	mg/l	0.010	1	6010B	0409 13:50	0410 14:47	AI
Iron, Total	19	mg/l	0.05	1	6010B	0409 13:50	0410 14:47	AI
Lead, Total	0.020	mg/l	0.010	1	6010B	0409 13:50	0410 14:47	AI
Magnesium, Total	8.8	mg/l	0.10	1	6010B	0409 13:50	0411 19:06	TD
Manganese, Total	0.045	mg/l	0.010	1	6010B	0409 13:50	0410 14:47	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:14	EZ
Nickel, Total	ND	mg/l	0.025	1	6010B	0409 13:50	0410 14:47	AI
Potassium, Total	3.3	mg/l	2.5	1	6010B	0409 13:50	0410 14:47	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:47	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 14:47	AI
Sodium, Total	32	mg/l	2.0	1	6010B	0409 13:50	0410 14:47	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:47	AI
Vanadium, Total	0.136	mg/l	0.010	1	6010B	0409 13:50	0410 14:47	AI
Zinc, Total	0.053	mg/l	0.050	1	6010B	0409 13:50	0410 14:47	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 15:14	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	2.2	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-06
MW-6

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 15:14	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-06
MW-6

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 15:14	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	105	%	70-130					
Toluene-d8	98.0	%	70-130					
4-Bromofluorobenzene	104	%	70-130					
Dibromofluoromethane	104	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-07
MW-7
Sample Matrix: WATER

Date Collected: 06-APR-2009 13:58
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Plastic

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	1.3	mg/l	0.10	1	6010B	0409 13:50	0410 15:27	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:27	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:27	AI
Barium, Total	0.072	mg/l	0.010	1	6010B	0409 13:50	0410 15:27	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:27	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:27	AI
Calcium, Total	80	mg/l	0.10	1	6010B	0409 13:50	0411 19:08	TD
Chromium, Total	0.10	mg/l	0.01	1	6010B	0409 13:50	0410 15:27	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:27	AI
Copper, Total	0.013	mg/l	0.010	1	6010B	0409 13:50	0410 15:27	AI
Iron, Total	2.0	mg/l	0.05	1	6010B	0409 13:50	0410 15:27	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:27	AI
Magnesium, Total	9.2	mg/l	0.10	1	6010B	0409 13:50	0411 19:08	TD
Manganese, Total	42.0	mg/l	0.010	1	6010B	0409 13:50	0410 15:27	AI
Mercury, Total	0.0006	mg/l	0.0002	1	7470A	0408 13:45	0409 12:16	EZ
Nickel, Total	0.032	mg/l	0.025	1	6010B	0409 13:50	0410 15:27	AI
Potassium, Total	44	mg/l	2.5	1	6010B	0409 13:50	0410 15:27	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:27	AI
Silver, Total	ND	mg/l	0.070	1	6010B	0409 13:50	0410 14:50	AI
Sodium, Total	120	mg/l	2.0	1	6010B	0409 13:50	0410 15:27	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:27	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:27	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:27	AI

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-08
MW-8
Sample Matrix: WATER

Date Collected: 06-APR-2009 16:11
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	3.4	mg/l	0.10	1	6010B	0409 13:50	0410 14:53	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:53	AI
Arsenic, Total	0.021	mg/l	0.005	1	6010B	0409 13:50	0410 14:53	AI
Barium, Total	0.050	mg/l	0.010	1	6010B	0409 13:50	0410 14:53	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:53	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:53	AI
Calcium, Total	82	mg/l	0.10	1	6010B	0409 13:50	0411 19:11	TD
Chromium, Total	0.03	mg/l	0.01	1	6010B	0409 13:50	0410 14:53	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:53	AI
Copper, Total	0.018	mg/l	0.010	1	6010B	0409 13:50	0410 14:53	AI
Iron, Total	8.9	mg/l	0.05	1	6010B	0409 13:50	0410 14:53	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:53	AI
Magnesium, Total	13	mg/l	0.10	1	6010B	0409 13:50	0411 19:11	TD
Manganese, Total	0.230	mg/l	0.010	1	6010B	0409 13:50	0410 14:53	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:18	EZ
Nickel, Total	ND	mg/l	0.025	1	6010B	0409 13:50	0410 14:53	AI
Potassium, Total	5.4	mg/l	2.5	1	6010B	0409 13:50	0410 14:53	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:53	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 14:53	AI
Sodium, Total	230	mg/l	2.0	1	6010B	0409 13:50	0410 14:53	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:53	AI
Vanadium, Total	0.066	mg/l	0.010	1	6010B	0409 13:50	0410 14:53	AI
Zinc, Total	0.060	mg/l	0.050	1	6010B	0409 13:50	0410 14:53	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 15:49	PD
Methylene chloride	ND	ug/l	120					
1,1-Dichloroethane	ND	ug/l	19.					
Chloroform	ND	ug/l	19.					
Carbon tetrachloride	ND	ug/l	12.					
1,2-Dichloropropane	ND	ug/l	44.					
Dibromochloromethane	ND	ug/l	12.					
1,1,2-Trichloroethane	ND	ug/l	19.					
Tetrachloroethene	930	ug/l	12					
Chlorobenzene	ND	ug/l	12.					
Trichlorofluoromethane	ND	ug/l	62.					
1,2-Dichloroethane	ND	ug/l	12.					
1,1,1-Trichloroethane	ND	ug/l	12.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-08
MW-8

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 15:49	PD
Bromodichloromethane	ND	ug/l	12.					
trans-1,3-Dichloropropene	ND	ug/l	12.					
cis-1,3-Dichloropropene	ND	ug/l	12.					
1,1-Dichloropropene	ND	ug/l	62.					
Bromoform	ND	ug/l	50.					
1,1,2,2-Tetrachloroethane	ND	ug/l	12.					
Benzene	ND	ug/l	12.					
Toluene	ND	ug/l	19.					
Ethylbenzene	ND	ug/l	12.					
Chloromethane	ND	ug/l	62.					
Bromomethane	ND	ug/l	25.					
Vinyl chloride	ND	ug/l	25.					
Chloroethane	ND	ug/l	25.					
1,1-Dichloroethene	ND	ug/l	12.					
trans-1,2-Dichloroethene	ND	ug/l	19.					
Trichloroethene	92	ug/l	12					
1,2-Dichlorobenzene	ND	ug/l	62.					
1,3-Dichlorobenzene	ND	ug/l	62.					
1,4-Dichlorobenzene	ND	ug/l	62.					
Methyl tert butyl ether	ND	ug/l	25.					
p/m-Xylene	ND	ug/l	25.					
o-Xylene	ND	ug/l	25.					
cis-1,2-Dichloroethene	440	ug/l	12					
Dibromomethane	ND	ug/l	120					
1,2,3-Trichloropropane	ND	ug/l	120					
Acrylonitrile	ND	ug/l	120					
Styrene	ND	ug/l	25.					
Dichlorodifluoromethane	ND	ug/l	120					
Acetone	ND	ug/l	120					
Carbon disulfide	ND	ug/l	120					
2-Butanone	ND	ug/l	120					
Vinyl acetate	ND	ug/l	120					
4-Methyl-2-pentanone	ND	ug/l	120					
2-Hexanone	ND	ug/l	120					
Bromochloromethane	ND	ug/l	62.					
2,2-Dichloropropane	ND	ug/l	62.					
1,2-Dibromoethane	ND	ug/l	50.					
1,3-Dichloropropane	ND	ug/l	62.					
1,1,1,2-Tetrachloroethane	ND	ug/l	12.					
Bromobenzene	ND	ug/l	62.					
n-Butylbenzene	ND	ug/l	12.					
sec-Butylbenzene	ND	ug/l	12.					
tert-Butylbenzene	ND	ug/l	62.					
o-Chlorotoluene	ND	ug/l	62.					
p-Chlorotoluene	ND	ug/l	62.					
1,2-Dibromo-3-chloropropane	ND	ug/l	62.					
Hexachlorobutadiene	ND	ug/l	15.					
Isopropylbenzene	ND	ug/l	12.					
p-Isopropyltoluene	ND	ug/l	12.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-08
MW-8

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 15:49	PD
Naphthalene	ND	ug/l	62.					
n-Propylbenzene	ND	ug/l	12.					
1,2,3-Trichlorobenzene	ND	ug/l	62.					
1,2,4-Trichlorobenzene	ND	ug/l	62.					
1,3,5-Trimethylbenzene	ND	ug/l	62.					
1,2,4-Trimethylbenzene	ND	ug/l	62.					
1,4-Diethylbenzene	ND	ug/l	50.					
4-Ethyltoluene	ND	ug/l	50.					
1,2,4,5-Tetramethylbenzene	ND	ug/l	50.					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	105	%	70-130					
Toluene-d8	99.0	%	70-130					
4-Bromofluorobenzene	105	%	70-130					
Dibromofluoromethane	107	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-09
MW-8D
Sample Matrix: WATER

Date Collected: 06-APR-2009 15:35
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	0.58	mg/l	0.10	1	6010B	0409 13:50	0410 15:24	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:24	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:24	AI
Barium, Total	0.021	mg/l	0.010	1	6010B	0409 13:50	0410 15:24	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:24	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:24	AI
Calcium, Total	9.3	mg/l	0.10	1	6010B	0409 13:50	0411 19:13	TD
Chromium, Total	0.50	mg/l	0.01	1	6010B	0409 13:50	0410 15:24	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:24	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:24	AI
Iron, Total	1.6	mg/l	0.05	1	6010B	0409 13:50	0410 15:24	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:24	AI
Magnesium, Total	3.7	mg/l	0.10	1	6010B	0409 13:50	0411 19:13	TD
Manganese, Total	5.47	mg/l	0.010	1	6010B	0409 13:50	0410 15:24	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:23	EZ
Nickel, Total	0.025	mg/l	0.025	1	6010B	0409 13:50	0410 15:24	AI
Potassium, Total	41	mg/l	2.5	1	6010B	0409 13:50	0410 15:24	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:24	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 15:24	AI
Sodium, Total	15	mg/l	2.0	1	6010B	0409 13:50	0410 15:24	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:24	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:24	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:24	AI

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-10
MW-9
Sample Matrix: WATER

Date Collected: 06-APR-2009 14:50
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	1.2	mg/l	0.10	1	6010B	0409 13:50	0410 14:59	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:59	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:59	AI
Barium, Total	0.067	mg/l	0.010	1	6010B	0409 13:50	0410 14:59	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:59	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:59	AI
Calcium, Total	150	mg/l	0.10	1	6010B	0409 13:50	0411 19:16	TD
Chromium, Total	0.03	mg/l	0.01	1	6010B	0409 13:50	0410 14:59	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:59	AI
Copper, Total	0.010	mg/l	0.010	1	6010B	0409 13:50	0410 14:59	AI
Iron, Total	1.9	mg/l	0.05	1	6010B	0409 13:50	0410 14:59	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:59	AI
Magnesium, Total	30	mg/l	0.10	1	6010B	0409 13:50	0411 19:16	TD
Manganese, Total	1.08	mg/l	0.010	1	6010B	0409 13:50	0410 14:59	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:25	EZ
Nickel, Total	ND	mg/l	0.025	1	6010B	0409 13:50	0410 14:59	AI
Potassium, Total	25	mg/l	2.5	1	6010B	0409 13:50	0410 14:59	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:59	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 14:59	AI
Sodium, Total	210	mg/l	2.0	1	6010B	0409 13:50	0410 14:59	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:59	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:59	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:59	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 16:25	PD
Methylene chloride	ND	ug/l	50.					
1,1-Dichloroethane	ND	ug/l	7.5					
Chloroform	ND	ug/l	7.5					
Carbon tetrachloride	ND	ug/l	5.0					
1,2-Dichloropropane	ND	ug/l	18.					
Dibromochloromethane	ND	ug/l	5.0					
1,1,2-Trichloroethane	ND	ug/l	7.5					
Tetrachloroethene	400	ug/l	5.0					
Chlorobenzene	ND	ug/l	5.0					
Trichlorofluoromethane	ND	ug/l	25.					
1,2-Dichloroethane	ND	ug/l	5.0					
1,1,1-Trichloroethane	ND	ug/l	5.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-10
MW-9

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 16:25	PD
Bromodichloromethane	ND	ug/l	5.0					
trans-1,3-Dichloropropene	ND	ug/l	5.0					
cis-1,3-Dichloropropene	ND	ug/l	5.0					
1,1-Dichloropropene	ND	ug/l	25.					
Bromoform	ND	ug/l	20.					
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0					
Benzene	ND	ug/l	5.0					
Toluene	ND	ug/l	7.5					
Ethylbenzene	ND	ug/l	5.0					
Chloromethane	ND	ug/l	25.					
Bromomethane	ND	ug/l	10.					
Vinyl chloride	ND	ug/l	10.					
Chloroethane	ND	ug/l	10.					
1,1-Dichloroethene	ND	ug/l	5.0					
trans-1,2-Dichloroethene	ND	ug/l	7.5					
Trichloroethene	12	ug/l	5.0					
1,2-Dichlorobenzene	ND	ug/l	25.					
1,3-Dichlorobenzene	ND	ug/l	25.					
1,4-Dichlorobenzene	ND	ug/l	25.					
Methyl tert butyl ether	ND	ug/l	10.					
p/m-Xylene	ND	ug/l	10.					
o-Xylene	ND	ug/l	10.					
cis-1,2-Dichloroethene	ND	ug/l	5.0					
Dibromomethane	ND	ug/l	50.					
1,2,3-Trichloropropane	ND	ug/l	50.					
Acrylonitrile	ND	ug/l	50.					
Styrene	ND	ug/l	10.					
Dichlorodifluoromethane	ND	ug/l	50.					
Acetone	ND	ug/l	50.					
Carbon disulfide	ND	ug/l	50.					
2-Butanone	ND	ug/l	50.					
Vinyl acetate	ND	ug/l	50.					
4-Methyl-2-pentanone	ND	ug/l	50.					
2-Hexanone	ND	ug/l	50.					
Bromochloromethane	ND	ug/l	25.					
2,2-Dichloropropane	ND	ug/l	25.					
1,2-Dibromoethane	ND	ug/l	20.					
1,3-Dichloropropane	ND	ug/l	25.					
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0					
Bromobenzene	ND	ug/l	25.					
n-Butylbenzene	ND	ug/l	5.0					
sec-Butylbenzene	ND	ug/l	5.0					
tert-Butylbenzene	ND	ug/l	25.					
o-Chlorotoluene	ND	ug/l	25.					
p-Chlorotoluene	ND	ug/l	25.					
1,2-Dibromo-3-chloropropane	ND	ug/l	25.					
Hexachlorobutadiene	ND	ug/l	6.0					
Isopropylbenzene	ND	ug/l	5.0					
p-Isopropyltoluene	ND	ug/l	5.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-10
MW-9

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 16:25	PD
Naphthalene	ND	ug/l	25.					
n-Propylbenzene	ND	ug/l	5.0					
1,2,3-Trichlorobenzene	ND	ug/l	25.					
1,2,4-Trichlorobenzene	ND	ug/l	25.					
1,3,5-Trimethylbenzene	ND	ug/l	25.					
1,2,4-Trimethylbenzene	ND	ug/l	25.					
1,4-Diethylbenzene	ND	ug/l	20.					
4-Ethyltoluene	ND	ug/l	20.					
1,2,4,5-Tetramethylbenzene	ND	ug/l	20.					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	110	%	70-130					
Toluene-d8	102	%	70-130					
4-Bromofluorobenzene	101	%	70-130					
Dibromofluoromethane	106	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-11
MW-9D
Sample Matrix: WATER

Date Collected: 06-APR-2009 12:23
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	2.1	mg/l	0.10	1	6010B	0409 13:50	0410 15:02	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:02	AI
Arsenic, Total	0.012	mg/l	0.005	1	6010B	0409 13:50	0410 15:02	AI
Barium, Total	0.051	mg/l	0.010	1	6010B	0409 13:50	0410 15:02	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:02	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:02	AI
Calcium, Total	19	mg/l	0.10	1	6010B	0409 13:50	0411 19:18	TD
Chromium, Total	0.10	mg/l	0.01	1	6010B	0409 13:50	0410 15:02	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:02	AI
Copper, Total	0.015	mg/l	0.010	1	6010B	0409 13:50	0410 15:02	AI
Iron, Total	6.3	mg/l	0.05	1	6010B	0409 13:50	0410 15:02	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:02	AI
Magnesium, Total	8.0	mg/l	0.10	1	6010B	0409 13:50	0411 19:18	TD
Manganese, Total	0.556	mg/l	0.010	1	6010B	0409 13:50	0410 15:02	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:27	EZ
Nickel, Total	0.066	mg/l	0.025	1	6010B	0409 13:50	0410 15:02	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0409 13:50	0410 15:02	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:02	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 15:02	AI
Sodium, Total	18	mg/l	2.0	1	6010B	0409 13:50	0410 15:02	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:02	AI
Vanadium, Total	0.021	mg/l	0.010	1	6010B	0409 13:50	0410 15:02	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:02	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 17:00	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	1.2	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-11
MW-9D

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 17:00	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-11
MW-9D

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 17:00	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	103	%	70-130					
Toluene-d8	103	%	70-130					
4-Bromofluorobenzene	104	%	70-130					
Dibromofluoromethane	103	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-12
MW-10
Sample Matrix: WATER

Date Collected: 06-APR-2009 13:14
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	0.63	mg/l	0.10	1	6010B	0409 13:50	0410 15:05	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:05	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:05	AI
Barium, Total	0.075	mg/l	0.010	1	6010B	0409 13:50	0410 15:05	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:05	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:05	AI
Calcium, Total	56	mg/l	0.10	1	6010B	0409 13:50	0411 19:21	TD
Chromium, Total	0.01	mg/l	0.01	1	6010B	0409 13:50	0410 15:05	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:05	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:05	AI
Iron, Total	0.59	mg/l	0.05	1	6010B	0409 13:50	0410 15:05	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:05	AI
Magnesium, Total	7.9	mg/l	0.10	1	6010B	0409 13:50	0411 19:21	TD
Manganese, Total	0.512	mg/l	0.010	1	6010B	0409 13:50	0410 15:05	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:28	EZ
Nickel, Total	ND	mg/l	0.025	1	6010B	0409 13:50	0410 15:05	AI
Potassium, Total	43	mg/l	2.5	1	6010B	0409 13:50	0410 15:05	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:05	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 15:05	AI
Sodium, Total	170	mg/l	2.0	1	6010B	0409 13:50	0410 15:05	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:05	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:05	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:05	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 17:35	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	41	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-12
MW-10

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 17:35	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	1.3	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	0.83	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-12
MW-10

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 17:35	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	109	%	70-130					
Toluene-d8	104	%	70-130					
4-Bromofluorobenzene	105	%	70-130					
Dibromofluoromethane	108	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-13
DUP-01
Sample Matrix: WATER

Date Collected: 06-APR-2009 00:00
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	2.5	mg/l	0.10	1	6010B	0409 13:50	0410 15:08	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:08	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:08	AI
Barium, Total	0.067	mg/l	0.010	1	6010B	0409 13:50	0410 15:08	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:08	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:08	AI
Calcium, Total	35	mg/l	0.10	1	6010B	0409 13:50	0411 19:23	TD
Chromium, Total	0.06	mg/l	0.01	1	6010B	0409 13:50	0410 15:08	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:08	AI
Copper, Total	0.042	mg/l	0.010	1	6010B	0409 13:50	0410 15:08	AI
Iron, Total	7.2	mg/l	0.05	1	6010B	0409 13:50	0410 15:08	AI
Lead, Total	0.041	mg/l	0.010	1	6010B	0409 13:50	0410 15:08	AI
Magnesium, Total	9.2	mg/l	0.10	1	6010B	0409 13:50	0411 19:23	TD
Manganese, Total	1.26	mg/l	0.010	1	6010B	0409 13:50	0410 15:08	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:30	EZ
Nickel, Total	0.045	mg/l	0.025	1	6010B	0409 13:50	0410 15:08	AI
Potassium, Total	3.0	mg/l	2.5	1	6010B	0409 13:50	0410 15:08	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:08	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 15:08	AI
Sodium, Total	43	mg/l	2.0	1	6010B	0409 13:50	0410 15:08	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:08	AI
Vanadium, Total	0.015	mg/l	0.010	1	6010B	0409 13:50	0410 15:08	AI
Zinc, Total	0.224	mg/l	0.050	1	6010B	0409 13:50	0410 15:08	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 18:11	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	1.3	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-13
DUP-01

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 18:11	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	1.2	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	1.7	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	10	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-13
DUP-01

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 18:11	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	106	%	70-130					
Toluene-d8	101	%	70-130					
4-Bromofluorobenzene	104	%	70-130					
Dibromofluoromethane	105	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-14
FB-01
Sample Matrix: WATER

Date Collected: 06-APR-2009 10:05
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals - Westborough Lab								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0409 13:50	0410 15:12	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:12	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:12	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:12	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:12	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 15:12	AI
Calcium, Total	0.13	mg/l	0.10	1	6010B	0409 13:50	0411 19:26	TD
Chromium, Total	ND	mg/l	0.01	1	6010B	0409 13:50	0410 15:12	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:12	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:12	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0409 13:50	0410 15:12	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:12	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0409 13:50	0411 19:26	TD
Manganese, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:12	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 12:32	EZ
Nickel, Total	ND	mg/l	0.025	1	6010B	0409 13:50	0410 15:12	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0409 13:50	0410 15:12	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:12	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 15:12	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0409 13:50	0410 15:12	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 15:12	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 15:12	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 15:12	AI
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 11:42	PD
Methylene chloride	6.8	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-14
FB-01

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 11:42	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-14
FB-01

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 11:42	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	103	%	70-130					
Toluene-d8	102	%	70-130					
4-Bromofluorobenzene	105	%	70-130					
Dibromofluoromethane	105	%	70-130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0904242-15
TRIP BLANK
Sample Matrix: WATER

Date Collected: 06-APR-2009 00:00
Date Received : 07-APR-2009
Date Reported : 13-APR-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab				1 8260B		0408 18:46	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0904242-15
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS - Westborough Lab cont'd				1	8260B		0408 18:46	PD
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	106	%	70-130
Toluene-d8	102	%	70-130
4-Bromofluorobenzene	106	%	70-130
Dibromofluoromethane	105	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0904242

Parameter	% Recovery	QC Criteria
Total Metals - Westborough Lab LCS for sample(s) 01-14 (WG358342-2)		
Aluminum, Total	100	80-120
Antimony, Total	102	80-120
Arsenic, Total	105	80-120
Barium, Total	98	80-120
Beryllium, Total	98	80-120
Cadmium, Total	108	80-120
Calcium, Total	98	80-120
Chromium, Total	95	80-120
Cobalt, Total	100	80-120
Copper, Total	100	80-120
Iron, Total	100	80-120
Lead, Total	101	80-120
Magnesium, Total	100	80-120
Manganese, Total	99	80-120
Nickel, Total	99	80-120
Potassium, Total	96	80-120
Selenium, Total	104	80-120
Silver, Total	98	80-120
Sodium, Total	99	80-120
Thallium, Total	99	80-120
Vanadium, Total	98	80-120
Zinc, Total	104	80-120
Total Metals - Westborough Lab LCS for sample(s) 01-14 (WG358207-2)		
Mercury, Total	106	80-120

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0904242

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by GC/MS - Westborough Lab for sample(s) 01-06,08,10-15 (WG358283-1, WG358283-					
Chlorobenzene	102	104	2	20	75-130
Benzene	101	102	1	20	76-127
Toluene	104	105	1	20	76-125
1,1-Dichloroethene	101	107	6	20	61-145
Trichloroethene	101	101	0	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	97	98	1		70-130
Toluene-d8	100	102	2		70-130
4-Bromofluorobenzene	98	102	4		70-130
Dibromofluoromethane	106	103	3		70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0904242

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Total Metals - Westborough Lab for sample(s) 01-14 (L0904242-02, WG358342-4)					
Aluminum, Total	100	100	0	20	75-125
Antimony, Total	103	102	1	20	75-125
Arsenic, Total	108	108	0	20	75-125
Barium, Total	101	98	3	20	75-125
Beryllium, Total	101	99	2	20	75-125
Cadmium, Total	109	107	2	20	75-125
Calcium, Total	100	100	0	20	75-125
Chromium, Total	100	100	0	20	75-125
Cobalt, Total	103	101	2	20	75-125
Copper, Total	106	103	3	20	75-125
Iron, Total	99	99	0	20	75-125
Lead, Total	102	100	2	20	75-125
Magnesium, Total	104	104	0	20	75-125
Manganese, Total	100	97	3	20	75-125
Nickel, Total	101	100	1	20	75-125
Potassium, Total	120	110	9	20	75-125
Selenium, Total	106	106	0	20	75-125
Silver, Total	98	96	2	20	75-125
Sodium, Total	100	100	0	20	75-125
Thallium, Total	99	98	1	20	75-125
Vanadium, Total	100	98	2	20	75-125
Zinc, Total	110	108	2	20	75-125
Total Metals - Westborough Lab for sample(s) 01-14 (L0904242-02, WG358207-4)					
Mercury, Total	115	126	9	20	70-130
Volatile Organics by GC/MS - Westborough Lab for sample(s) 01-06,08,10-15 (L0904242-02, WG35828					
Chlorobenzene	95	91	4	20	75-130
Benzene	96	90	6	20	76-127
Toluene	97	92	5	20	76-125
1,1-Dichloroethene	101	94	7	20	61-145
Trichloroethene	101	96	5	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	105	105	0		70-130
Toluene-d8	101	101	0		70-130
4-Bromofluorobenzene	100	102	2		70-130
Dibromofluoromethane	103	108	5		70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0904242

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-14 (WG358342-1)								
Total Metals - Westborough Lab								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0409 13:50	0410 14:06	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:06	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:06	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:06	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:06	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0409 13:50	0410 14:06	AI
Calcium, Total	ND	mg/l	0.10	1	6010B	0409 13:50	0411 18:26	TD
Chromium, Total	ND	mg/l	0.01	1	6010B	0409 13:50	0410 14:06	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:06	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:06	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0409 13:50	0410 14:06	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:06	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0409 13:50	0411 18:26	TD
Manganese, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:06	AI
Nickel, Total	ND	mg/l	0.025	1	6010B	0409 13:50	0410 14:06	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0409 13:50	0410 14:06	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:06	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0409 13:50	0410 14:06	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0409 13:50	0410 14:06	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0409 13:50	0410 14:06	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0409 13:50	0410 14:06	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0409 13:50	0410 14:06	AI
Blank Analysis for sample(s) 01-14 (WG358207-1)								
Total Metals - Westborough Lab								
Mercury, Total	ND	mg/l	0.0002	1	7470A	0408 13:45	0409 11:54	EZ
Blank Analysis for sample(s) 01-06,08,10-15 (WG358283-3)								
Volatile Organics by GC/MS - Westborough Lab				1	8260B		0408 08:45	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0904242

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-06,08,10-15 (WG358283-3)							
Volatile Organics by GC/MS - Westborough Lab cont'd				1 8260B		0408 08:45	PD
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0904242

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-06,08,10-15 (WG358283-3)							
Volatile Organics by GC/MS - Westborough Lab cont'd				1 8260B		0408 08:45	PD
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	99.0	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	101	%	70-130				
Dibromofluoromethane	101	%	70-130				

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 18, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 4/7/09

ALPHA Job #: L0904242

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: P.W. Grosser Consulting
Address: 630 Johnson Ave, Suite 7
Bohemia, NY 11716
Phone: (631) 584-6353
Fax: (631) 589-8705
Email: johne@pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Penetrex
Project Location: 1 Shore Rd Glenwood Landing, NY
Project #: PEN0901
Project Manager: John Eichler
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 4/14/09 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
ASP B Protocol

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: 8260	23 Metals	Sample Specific Comments	TOTAL # BOTTLES
4242.1	MW-1	4/6/09	11:33	GW	DE	X	X		3
2	MW-2/MS/MSD	4/6/09	07:59	GW	DE	X	X		9
3	MW-3	4/6/09	09:08	GW	DE	X	X		3
4	MW-4	4/6/09	10:02	GW	DE	X	X		3
5	MW-5	4/6/09	10:45	GW	DE	X	X		3
6	MW-6	4/6/09	14:25	GW	MSB	X	X		3
7	MW-7	4/6/09	13:58	GW	DE	⊗	X	Hold 8260	3
8	MW-8	4/6/09	16:11	GW	DE	X	X		3
9	MW-8D	4/6/09	15:35	GW	DE	⊗	X	Hold 8260	3
10	MW-9	4/6/09	14:50	GW	DE	X	X		3
					Container Type	V	P		
					Preservative	B	C		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/6/09 18:20	[signature]	4/6/09 1820
[signature]	4/7/09 1125	S Twitchell	4/7/09 11:25
S Twitchell	4/7/09 1530	R Brady	4-7-09 1530
R Brady	4-7-09 1840	[signature]	4/7/09 1840

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 4/7/09

ALPHA Job #: L0904242

ALPHA LABORATORIES
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: P.W. Grosser Consulting
Address: 630 Johnson Ave, Suite 7
Bohemia, NY 11716
Phone: (631) 589-6353
Fax: (631) 589-8705
Email: John@pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Penetrex
Project Location: 1 Share Rd. Glenwood Landing, NY
Project #: PEN 0001
Project Manager: John Erchler
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 4/14/09 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ASP B Protocol

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS 8260	ANALYSIS 23 Metals	Sample Specific Comments	TOTAL # BOTTLES
L0904241	MW-9D	4/6/09	12:03	GW	DE	X	X		3
12	MW-10	4/6/09	13:14	GW	DE	X	X		3
13	DUP-01	4/6/09	—	GW	DE	X	X		3
14	FB-01	4/6/09	10:05	DW	DE	X	X		3
15	Trip Blank	—	—	DW	—	X			1

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	V	P
Preservative	B	C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	4/6/09 1809		4/6/09 1820
	4/7/09 1135		4/7/09 1135
Ron Brady	4-7-09 1840	Kenneth Bailey	4/7/09 1840

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX D
Waste Manifest

Non-Hazardous Manifest

Manifest Doc No.54626

Generator

Generator ID: 18115
GLENWOOD REALTY LLC
1 SHORE ROAD
GLENWOOD LANDING, NY 11547
631.589.6353

Transporter

ABLE ENVIRONMENTAL SERVICE
6315676545
NYR000003582
1A-392

Facility

A B OIL SERVICE LTD.
1599 Ocean Avenue
Bohemia, NY 11716
6315676545
NYD987023371

Shipping Name and Description	NumCont	ContType	Quantity	Units	Profile ID
NON HAZARDOUS LIQUID	3	DM	165	G	NONHAZ L
NON HAZARDOUS SOLIDS	7	DM	2800	P	NONHAZ S

SO1

Additional Descriptions for Materials Listed Above — **Handling Codes Listed Above**

Special Handling Instructions and Additional Information

24 Hour Emergency # (631) 567 - 6545
ERG# 128

Generator's Certification: I certify the materials described above are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed / Typed Name Lawrence Weinberger, Mgr. Signature _____ Date 1-26-09

Transporter 1 Acknowledgement of Receipt of Materials

Printed / Typed Name Ivan Ruiz Signature _____ Date 1-26-09

Transporter 2 Acknowledgement of Receipt of Materials

Printed / Typed Name _____ Signature _____ Date _____

Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted above.

Printed / Typed Name _____ Signature _____ Date 1/27/09

White = Original Yellow = Transporter Pink = TSDF Gold = Generator Copy

APPENDIX E
Chemical Oxidant Calculation Sheet

1 Shore Road, Glenwood Landing, New York

Version 3.0 0104

Parameters	Units	Estimates		Assumption Basis
*** Site Description ***				
Length	Ft.	84.00		provided
Width	Ft.	64.00		provided
Area	Sq. Ft.	5,376.00		
Thickness	Ft.	30.00		provided
Total Volume	Cu. Yd.	5,973.33		
Porosity	%	30.00		provided
Plume Total Pore Volume	Gal.	361,984.00		
Avg. Contaminant Conc.	ppm	23.00	*difficult to est	provided
Mass of Contaminant	lb.	69.48		
NOD	g/kg	1.50	BNL value	Determined by Laboratory Test--CARUS LABs
Effective NOD %	10	0.15	BNL value	Empirical "rule of thumb" because the subsurface is not a well mixed system cf. NOD test
NOD	lb/yd3	0.45		
NOD Oxidant Demand	lb	2,661.12		
Avg. Stoichiometric Demand	lb/lb	2.40		Primary Contaminant PCE
Contaminant Oxidant Demand	lb.	166.75		
Theoretical Oxidant Demand	lb.	2,827.87		
SWAG Factor	*???*	2.00	^	Some uncertainty of subsurface characterization and ability to get 100% contact in the silt layer.
Calculated Oxidant Demand		5,655.75		
*** Injection Design ***		KMnO4	NaMnO4	
Radius of Influence	Ft.	10.00	10	Based on lithogeology (I.e silt) and empirical experience
Number of Injection Points		17.11	17.11	
Injection Concentration	% wt/wt	4.00%	2.00%	A compromise between enough volume and not too much injection time
Flow Rate - Per Injection Point	GPM	10.00	1	SWAG
Number of Wells per Phase		8	8	Practical limitation with one geoprobe rig.
Total Injection Flow Rate	GPM	80.00	80	
Estimated Injection Pressure	PSIG	40.00	40	Necessary to achieve laminar flow away from the injection point
Injection Volume/Hole	Gal	951.10	1,739.83	
*** Injection Schedule ***				
Hours per Day	Hrs	8.00	8	provided
Days Per Week	Days	5.00	5	provided
Number of Inj. Days	Days	0.42	0.78	
Number of Inj. Weeks	Weeks	0.08	0.16	

40% NaMnO4 Injection Options

Pounds of 40% NaMnO4 Solution	Gallons of 40% Solution	Number of Pails	Number of Drums	Number of Totes	Price per Lb of Solution	Total Cost of Chemical
12,584	1,103.86	220.77	23.00	5.02	$ 2.60	$ 32,718.49

Total Gallons of Dilution Water Required	Dilution Water Flow Rate - GPM	NaMnO4 40% Solution Flow Rate - GPM	OR	Dilution Water Gals per Pail	Dilution Water Gals per Drum	Dilution Water Gals per Tote
28,668.67	77.03	2.97		129.86	1,246.62	5,713.67

Dry KMnO4 Injection Options

Pounds of KMnO4 (Dry Crystals)	Number of Pails	Number of Drums	Number of Totes	Price per Lb (Dry)	Total Cost of Chemical
5,656	102.83	17.14	1.71	$ -	$0.00

Total Gallons of Dilution Water Required	Dilution Water Flow Rate - GPM	OR	Dilution Water Gals per Pail	Dilution Water Gals per Drum	Dilution Water Gals per Tote
16,275.53	80.00		158.27	949.64	9,496.40

Instructions: Fill in all white colored blanks. Leave all shaded cells - these calculate themselves.
Please call Carus at 800/435-6856 for current chemical pricing.

				assumed density		Result
g KMnO4 / kg soil	lb KMnO4 / 454 g KMnO4	kg soil / 1000 g soil	454 g soil / lb soil	110 lb soil / ft^3	27 ft^3 soil / yd^3 soil	2.97

This calculation is a reasonable approximation of the amount of permanganate that would be needed to fully oxidize the contaminant in the treatment area. The assumptions made for this calculation are the same that have been made for other successful permanganate projects. This calculation assumes relatively even distribution in the injection zone and even advection and diffusion from the injection zones.

^ Use a 2 swag factor because we aleady assumed elevated average contaminant concentration.

Chemical pricing based upon April 7, 2008 conversation with Kelly Frasco (Carus).

APPENDIX F
Monitoring Well Sampling Log

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-1	Depth Interval		Date	9/17/2008
Begin Purging	14:49	Complete Purging	15:10	Sample Time	15:09

Notes: Depth to Water(ft): 18.94

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
14:51	375	16.20	6.68	1.193	173		17
14:55	375	16.30	6.82	1.208	174		10
14:59	375	16.60	6.46	1.197	174		7
15:03	375	16.70	6.64	1.195	173		5
15:07	375	16.70	6.62	1.198	175		5

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-2	Depth Interval		Date	9/17/2008
Begin Purging	6:49	Complete Purging	7:19	Sample Time	7:25

Notes:

Depth to Water(ft): 11.89

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
6:51	500	18.80	7.70	0.137	137		81
6:55	500	19.70	7.40	0.138	155		27
6:59	500	20.10	7.01	0.137	168		25
7:03	500	20.50	6.74	0.139	175		20
7:07	500	20.50	6.61	0.139	180		19
7:11	500	20.30	6.47	0.143	183		18
7:15	500	20.40	6.33	0.144	189		4
7:19	500	20.80	6.35	0.144	186		4

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-3	Depth Interval		Date	9/17/2008
Begin Purging	7:49	Complete Purging	8:11	Sample Time	8:16

Notes:

Depth to Water(ft): 9.68

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
7:51	250	16.90	6.50	1.006	-60		19
7:55	250	17.70	6.66	1.011	-45		16
7:59	250	18.00	6.85	0.983	-46		14
8:03	250	18.10	6.84	0.975	-34		15
8:07	250	18.20	6.86	0.965	-29		16
8:11	250	18.40	6.88	0.953	-25		13

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-4	Depth Interval		Date	9/17/2008
Begin Purging	8:35	Complete Purging	9:01	Sample Time	9:00

Notes: Depth to Water(ft): 10.19

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
8:36	325	16.50	7.25	0.413	80		396
8:40	325	17.00	7.06	0.405	96		82
8:44	325	17.20	6.94	0.405	112		14
8:47	325	17.40	6.85	0.403	120		18
8:51	325	17.60	6.83	0.405	109		13
8:55	325	17.90	6.70	0.403	93		11

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-5	Depth Interval		Date	9/17/2008
Begin Purging	9:19	Complete Purging	9:47	Sample Time	9:46

Notes:

Depth to Water(ft): 11.03

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
9:20	350	16.00	6.96	0.599	71		300
9:24	350	16.10	6.92	0.593	48		186
9:28	350	16.40	6.86	0.585	58		234
9:32	350	16.70	6.85	0.580	-6		16
9:36	350	16.80	6.74	0.596	-26		37
9:40	350	17.00	6.86	0.590	-24		22
9:44	350	17.00	6.78	0.593	-24		8

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

P.W. GROSSER CONSULTING, INC.

WELL SAMPLING LOG July 8, 2008

CLIENT/PROJECT No.	Glenwood Realty / PEN0001		
WELL No./OWNER	MW-6 / Glenwood Realty		
SAMPLE I.D.	MW-6		
SAMPLING POINT	MW-6	SAMPLED BY	DNE
DATE SAMPLED	9/17/2008	TIME SAMPLED	16:15
WELL USE	Groundwater Monitoring		
STATIC WATER ELEVATION	12.23 ft	FT. BELOW MEASURING POINT	TOC
WELL DIAMETER	2 Inches		
TOTAL WELL DEPTH	19.61 ft	FT. BELOW MEASURING POINT	TOC

SAMPLING INFORMATION

PURGE METHOD	Bailer	SAMPLE METHOD	Bailer
PURGE RATE	0.5 GPM	PURGE TIME	7.5 Min
CASING VOLUMES REMOVED	3	GALLONS	3.75
SAMPLE APPEARANCE	Silty Brown	ODORS OBSERVED	None
LABORATORY	Long Island Analytical	DATE SHIPPED	9/18/2008
ANALYSIS	VOC (Method 8260) / Metals (Method 6010)		

SAMPLING PARAMETERS

	Initial	1 Vol	2 Vol	3 Vol	Units
Conductivity	-	283	282	281	uS
Temperature	-	15.3	15.2	15.2	^{0}C
pH	-	6.88	6.59	6.43	

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-7	Depth Interval		Date	9/17/2008
Begin Purging	15:22	Complete Purging	15:53	Sample Time	15:52

Notes:

Depth to Water(ft): 19.1

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
15:23	375	17.70	6.90	0.867	172		543
15:27	375	18.60	6.82	0.846	175		945
15:31	375	18.90	6.84	0.832	176		1000
15:35	375	19.20	6.59	0.830	173		838
15:39	375	19.00	6.85	0.846	174		146
15:43	375	18.90	6.88	0.852	187		66
15:47	375	19.00	6.95	0.835	183		54
15:51	375	18.80	6.86	0.837	183		26

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-8	Depth Interval		Date	9/17/2008
Begin Purging	11:49	Complete Purging	12:21	Sample Time	12:20

Notes: Depth to Water(ft): 16.37

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
11:50	300	16.80	7.38	0.755	-43		>1,000
11:54	300	16.30	6.90	0.763	24		>1,000
11:58	300	16.30	6.82	0.789	31		>1,000
12:02	300	16.30	6.65	0.850	36		1000
12:06	300	16.30	6.74	0.847	33		307
12:10	300	16.30	6.68	0.848	36		81
12:14	300	16.40	6.72	0.84	38		44
12:18	300	16.60	6.67	0.839	39		30

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-8D	Depth Interval		Date	9/17/2008
Begin Purging	12:52	Complete Purging	13:43	Sample Time	13:42

Notes: Depth to Water(ft): 16.96

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
12:53	275	15.90	7.61	0.267	17		>1,000
12:57	275	15.10	7.30	0.240	83		>1,000
13:01	275	15.00	7.23	0.235	87		471
13:05	275	15.20	6.86	0.199	98		397
13:09	275	15.40	6.95	0.199	115		319
13:13	275	15.50	6.83	0.199	131		202
13:17	275	15.80	6.79	0.231	139		199
13:21	275	15.90	6.65	0.230	146		129
13:25	275	15.9	6.74	0.230	149		75
13:29	275	15.8	6.65	0.230	157		68
13:33	275	15.6	6.70	0.231	155		55
13:37	275	15.8	6.65	0.230	166		57
13:41	275	15.9	6.70	0.230	167		50

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-9	Depth Interval		Date	9/17/2008
Begin Purging	10:57	Complete Purging	11:32	Sample Time	11:31

Notes: Depth to Water(ft): 15.59

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
10:58	350	18.00	6.41	0.948	137		>1,000
11:02	350	17.80	6.81	0.965	122		>1,000
11:06	350	17.80	6.81	0.975	121		305
11:10	350	17.80	6.80	0.960	130		87
11:20	400	17.80	6.91	0.980	124		24
11:24	400	17.70	6.79	0.933	122		54
11:28	400	17.70	6.82	0.952	126		48

Notes: Ran out of gas for generator at 11:13. Refilled and started pumping again at 11:17.

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-9D	Depth Interval		Date	9/17/2008
Begin Purging	10:09	Complete Purging	10:38	Sample Time	10:37

Notes: Depth to Water(ft): 17.32

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
10:10	250	15.70	7.42	0.246	92		>1,000
10:14	250	15.20	6.91	0.238	115		>1,000
10:18	250	15.40	6.91	0.238	119		661
10:22	250	15.20	6.74	0.235	122		192
10:26	250	15.30	6.62	0.239	130		57
10:30	250	15.20	6.62	0.236	127		36
10:34	250	15.10	6.68	0.238	131		31

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-10	Depth Interval		Date	9/17/2008
Begin Purging	14:01	Complete Purging	14:32	Sample Time	14:31

Notes:

Depth to Water(ft): 15.48

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
14:02	350	17.10	6.53	0.532	167		>1,000
14:06	350	16.80	6.86	0.503	160		>1,000
14:10	350	16.50	6.70	0.570	167		1000
14:14	350	16.60	6.79	0.610	164		350
14:18	350	16.90	6.73	0.583	170		118
14:22	350	17.00	6.82	0.582	175		70
14:26	350	16.70	6.63	0.563	179		51
14:30	350	16.60	6.80	0.563	175		37

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-1	Depth Interval		Date	4/6/2009
Begin Purging	11:15	Complete Purging	11:30	Sample Time	11:33

Notes:

Depth to Water(ft): 18.71

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
11:15	350	11.70	6.04	2.570	116	6.46	165
11:18	350	11.68	5.98	2.690	115	5.94	137
11:21	350	12.09	5.97	2.690	114	5.91	95
11:24	350	12.49	5.97	2.660	114	5.95	106
11:27	350	12.95	5.97	2.660	115	6.01	111
11:30	350	13.37	5.96	2.640	116	6.08	99

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-2	Depth Interval		Date	4/6/2009
Begin Purging	7:38	Complete Purging	7:56	Sample Time	7:59

Notes: Depth to Water(ft): 11.41

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
7:38	350	11.67	5.35	0.127	187	1.42	56.3
7:41	350	12.66	5.39	0.122	177	1.03	36.4
7:44	350	13.55	5.51	0.118	158	0.98	18.7
7:47	350	13.96	5.57	0.112	144	0.93	12.8
7:50	350	14.07	5.59	0.109	138	0.89	9.2
7:53	350	14.23	5.59	0.107	135	0.89	6.9
7:56	350	14.37	5.59	0.106	133	0.92	7.3

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-3	Depth Interval		Date	4/6/2009
Begin Purging	8:41	Complete Purging	9:05	Sample Time	9:08

Notes:

Depth to Water(ft): 9.36

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
8:41	400	10.93	6.08	0.748	-30	0	239
8:44	400	11.20	6.26	0.776	-51	0	135
8:47	400	11.90	6.39	0.750	-73	0	145
8:50	400	11.66	6.46	0.779	-76	0	185
8:53	400	11.47	6.48	0.716	-53	0.05	172
8:56	400	11.58	6.52	0.677	-27	2.2	217
8:59	400	11.45	6.51	0.645	-13	2.67	140
9:02	400	11.42	6.52	0.634	-4	3.18	179
9:05	400	11.72	6.51	0.632	5	3.18	175

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-4	Depth Interval		Date	4/6/2009
Begin Purging	9:35	Complete Purging	9:59	Sample Time	10:02

Notes:

Depth to Water(ft): 9.78

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
9:35	300	10.43	6.47	0.688	46	0.61	891
9:38	300	11.15	6.32	0.688	51	0	724
9:41	300	11.63	6.31	0.688	50	0	215
9:44	300	11.89	6.31	0.683	47	0	166
9:47	300	12.07	6.30	0.683	42	0	150
9:50	300	12.20	6.31	0.684	29	0	119
9:53	300	12.37	6.31	0.686	1	0	97.2
9:56	300	12.51	6.31	0.684	-12	0	85.5
9:59	300	12.56	6.31	0.686	-20	0	84

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-5	Depth Interval		Date	4/6/2009
Begin Purging	10:24	Complete Purging	10:42	Sample Time	10:45

Notes:

Depth to Water(ft): 10.65

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
10:24	400	11.49	5.57	0.438	159	0	190
10:27	400	11.86	5.38	0.459	126	0	126
10:30	400	12.17	5.83	0.508	51	0	44.6
10:33	400	12.22	5.98	0.523	17	0	26.2
10:36	400	12.27	5.95	0.512	15	0	35.2
10:39	400	12.27	5.98	0.516	7	0	23.2
10:42	400	12.27	6	0.523	0	0	21.1

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

P.W. GROSSER CONSULTING, INC.

WELL SAMPLING LOG July 8, 2008

CLIENT/PROJECT No.	Glenwood Realty / PEN0001		
WELL No./OWNER	MW-6 / Glenwood Realty		
SAMPLE I.D.	MW-6		
SAMPLING POINT	MW-6	SAMPLED BY	MJB
DATE SAMPLED	4/6/2009	TIME SAMPLED	14:25
WELL USE	Groundwater Monitoring		
STATIC WATER ELEVATION	ft	FT. BELOW MEASURING POINT	TOC
WELL DIAMETER	2 Inches		
TOTAL WELL DEPTH	ft	FT. BELOW MEASURING POINT	TOC

SAMPLING INFORMATION

PURGE METHOD	Bailer	SAMPLE METHOD	Bailer
PURGE RATE	0.5 GPM	PURGE TIME	Min
CASING VOLUMES REMOVED	3	GALLONS	
SAMPLE APPEARANCE		ODORS OBSERVED	
LABORATORY	Alpha	DATE SHIPPED	4/7/2009
ANALYSIS	VOC (Method 8260) / Metals (Method 6010)		

SAMPLING PARAMETERS

	Initial	1 Vol	2 Vol	3 Vol	Units
Conductivity					uS
Temperature					^{0}C
pH					

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-7	Depth Interval		Date	4/6/2009
Begin Purging	13:37	Complete Purging	13:55	Sample Time	13:58

Notes: Purple water

Depth to Water(ft): 18.95

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
13:37	400	12.01	6.21	1.13	565	5.71	675
13:40	400	12.12	6.08	1.15	598	5.03	546
13:43	400	12.78	6.05	1.14	624	4.96	730
13:46	400	13.05	6.04	1.14	636	5.11	993
13:49	400	13.32	6.03	1.14	649	5.09	>1,000
13:52	400	13.45	6.02	1.17	657	5.05	>1,000
13:55	400	13.74	6.02	1.23	663	4.87	>1,000

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-8	Depth Interval		Date	4/6/2009
Begin Purging	15:50	Complete Purging	16:08	Sample Time	16:11

Notes:

Depth to Water(ft): 16.14

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
15:50	350	11.93	5.77	1.67	582	0.61	>1,000
15:53	350	12.15	5.84	1.67	551	0	>1,000
15:56	350	12.39	5.87	1.66	529	0	>1,000
15:59	350	12.67	5.90	1.67	520	0	>1,000
16:02	350	12.95	5.92	1.68	515	0	>1,000
16:05	350	13.18	5.94	1.70	510	0	>1,000
16:08	350	13.32	5.95	1.71	507	0	>1,000

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-8D	Depth Interval		Date	4/6/2009
Begin Purging	15:11	Complete Purging	15:32	Sample Time	15:35

Notes: Pink water

Depth to Water(ft): 17.67

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
15:11	250	12.43	6.64	0.251	628	7.31	591
15:14	250	13.53	6.02	0.247	657	6.72	>1,000
15:17	250	13.76	5.81	0.244	665	6.94	>1,000
15:20	250	13.83	5.73	0.242	669	6.98	998
15:23	250	13.91	5.69	0.242	673	6.9	654
15:26	250	13.97	5.67	0.242	676	6.96	487
15:29	250	13.99	5.66	0.241	679	6.95	325
15:32	250	13.95	5.65	0.242	680	7.06	270

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-9	Depth Interval		Date	4/6/2009
Begin Purging	14:20	Complete Purging	14:50	Sample Time	14:53

Notes: Depth to Water(ft): 15.14

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
14:20	450	11.69	6.03	2.51	633	1.98	>1,000
14:23	450	12.04	5.97	2.50	634	0.45	>1,000
14:26	450	12.59	5.98	2.45	626	0.13	>1,000
14:29	450	12.72	6.01	2.38	616	0	>1,000
14:32	450	12.69	6.06	2.36	599	3.35	>1,000
14:35	450	12.91	6.05	2.36	595	0.27	>1,000
14:38	450	12.90	6.05	2.35	590	0.01	>1,000
14:41	450	12.79	6.05	2.36	584	0.13	347
14:44	450	12.89	6.06	2.37	590	0	106
14:47	450	12.86	6.06	2.36	591	0	32.9
14:50	450	12.54	6.06	2.33	592	0	32

Notes: Ran out of gas for generator at 11:13. Refilled and started pumping again at 11:17.

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-9D	Depth Interval		Date	4/6/2009
Begin Purging	11:56	Complete Purging	12:20	Sample Time	12:23

Notes: Depth to Water(ft): 15.86

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
11:56	350	11.65	6.34	0.239	157	7.44	>1,000
11:59	350	11.33	5.82	0.223	164	7.33	>1,000
12:02	350	11.13	5.63	0.218	167	7.25	>1,000
12:05	350	11.31	5.56	0.217	170	7.21	>1,000
12:08	350	11.44	5.56	0.217	173	7.27	>1,000
12:11	350	11.36	5.55	0.216	176	7.35	>1,000
12:14	350	11.54	5.54	0.217	180	7.3	>1,000
12:17	350	11.75	5.54	0.216	182	7.24	>1,000
12:20	350	11.84	5.54	0.216	184	7.29	>1,000

Notes:

Flow Rate - between 200 - 500 mL/min
pH - ±0.1
Conductivity - ±3%
ORP - ±10 mV
DO - ±10%
Turbidity - ±10%

Groundwater Monitoring Well Sample Data Sheet

Monitoring Well	MW-10	Depth Interval		Date	4/6/2009
Begin Purging	12:44	Complete Purging	13:11	Sample Time	13:14

Notes: Depth to Water(ft): 15.62

Time	Flow Rate (mL/min)	Temp. (ºC)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)
12:44	300	11.13	5.97	1.49	172	0.42	>1,000
12:47	300	11.32	6.08	1.53	166	0	>1,000
12:50	300	11.86	6.08	1.47	161	0	>1,000
12:53	300	12.57	6.07	1.39	160	0.08	>1,000
12:56	300	12.97	6.08	1.39	158	0	>1,000
12:59	300	12.83	6.08	1.43	157	0	>1,000
13:02	300	12.79	6.07	1.47	156	0	786
13:05	300	12.65	6.07	1.51	156	0	485
13:08	300	12.61	6.07	1.52	155	0	380
13:11	300	12.56	6.07	1.51	155	0	317

Notes:

Flow Rate - between 200 - 500 mL/min

pH - ±0.1

Conductivity - ±3%

ORP - ±10 mV

DO - ±10%

Turbidity - ±10%

APPENDIX G
Data Usability Summary Report

STONE ENVIRONMENTAL INC

DATA USABILITY SUMMARY REPORT (DUSR)

Site Name:	Pentrex Site, Glenwood Landing, NY
Performing Laboratory:	Alpha Analytical Laboratories, Massachusetts
P.W. Grosser Project No.	PEN001
Project Manager	John D. Eichler, Project Manager
Stone Project Number:	082074-F, Phase IV
Analyses/Methods:	VOAs by Method 8260, 23 Metals by Method 6010/7000
Data Validation Level	Limited. Full on 10% or two samples from the SDG.

Prepared by: Kim Watson, Stone Environmental, Inc. Completed on: 5/7/09

Reviewed by: Amy Macrellis, Stone Environmental, Inc. SDG Nos.: L0904242

Stone Environmental, Inc. (Stone) has performed a quality assurance (QA) evaluation on the data reports from Alpha Analytical Laboratories in Massachusetts. The samples were collected and analyzed for the parameters as listed on the chain of custody records provided in Attachment A. The DUSR was based on a review of the laboratory sample delivery group (SDG) case narrative and the full "Tier III" third-party data validation report, which are provided in Attachment B and Attachment C, respectively. Full data validation in accordance with Region II SOPs for validating organic and inorganic analyses was performed on 10% of the data or two samples from the SDG as requested by the client for volatiles and metals in water samples. The remaining data received a summary validation as outlined in this report. The laboratory met all commitments and the final data package was received at P.W. Grosser by April 14, 2009 and received at Stone for evaluation on April 30, 2009. The laboratory reported the data under SDG No. L0904242. The DUSR data evaluation included a review of the following as based on the case narrative and the full data validation: data package completeness, holding times, initial and continuing calibrations, reporting limits, laboratory and field blanks, laboratory control samples, field duplicates, sample result verification, and method-specific QC samples (e.g., GC/MS tunes).

The data selected for full validation were qualified following the guidelines in 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" (Rev. 2, December 1996) and SOP#HW-2 "Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO5.3" (SOP Revision 13). In addition, the EPA's "National Functional Guidelines for Organic Data Review" (EPA 540/R-99/008, October 1999), EPA's "National Functional Guidelines for Inorganic Data Review" (EPA 540-R-04-004, October 2004), and professional judgment were considered during the data validation effort.

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 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 Is by the laboratory and by the third-party validator.

Summary of Data Usability

Based on 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 project objectives. As noted in the full data validation report, results for dichlorodifluoromethane were qualified as estimated (UJ) due to a laboratory percent difference outlier. 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 was acceptable and all results as qualified are considered usable.

ATTACHMENT A

CHAIN OF CUSTODY RECORDS
SDG No. L0904242
Volatiles and Metals in Water Samples

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 4/7/09

ALPHA Job #: L0904242

ALPHA LABORATORIES
WESTBORO, MA TEL: 508-898-9220 FAX 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: P.W. Grosser Consulting
Address: 630 Johnson Rd, Suite 7
Bohemia, NY 11716
Phone: (631) 584-6353
Fax: (631) 589-8705
Email: john@pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Pemflex
Project Location: 1 Shore Rd Glenwood Landing, NY
Project #: PENOGO1
Project Manager: John Erchler
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 4/14/09 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
ASP B Protocol

ANALYSIS: 8260 | 23 Metals

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260	23 Metals	TOTAL # BOTTLES	Sample Specific Comments
4242.1	MW-1	4/6/09	11:33	GW	DE	X	X	3	
2	MW-2 (MS/MSD)	4/6/09	07:59	GW	DE	X	X	9	
3	MW-3	4/6/09	09:08	GW	DE	X	X	3	
4	MW-4	4/6/09	10:02	GW	DE	X	X	3	
5	MW-5	4/6/09	10:45	GW	DE	X	X	3	
6	MW-6	4/6/09	14:25	GW	MSB	X	X	3	
7	MW-7	4/6/09	13:58	GW	DE	⊘	X	3	Hold 8260
8	MW-8	4/6/09	16:11	GW	DE	X	X	3	
9	MW-8D	4/6/09	15:35	GW	DE	⊘	X	3	Hold 8260
10	MW-9	4/6/09	14:50	GW	DE	X	X	3	

Container Type: V P
Preservative: B C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/6/09 18:20	[signature]	4/6/09 1820
[signature]	4/7/09 11:25	[signature]	4/7/09 11:25
[signature]	4/7/09 13:30	[signature]	4-7-09 13:30
[signature]	4-7-09 18:40	[signature]	4/7/09 18:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA
TECHNICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 4/7/09

ALPHA Job #: L0904242

Client Information

Client: P.W. Grosser Consulting
Address: 630 Johnson Ave, Suite 7
Bohemia, NY 11716
Phone: (631) 589-6353
Fax: (631) 589-8705
Email: John@pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Peradrex
Project Location: 1 Shore Rd. Glenwood Landing, NY
Project #: PEN 0001
Project Manager: John Erchile
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 4/14/09 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ASP B Protocol

ANALYSIS: 8260 (23 Matrix)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260	23 Matrix	Sample Specific Comments	TOTAL # BOTTLES
4240.11	MW-9D	4/6/09	13:03	GW	DE	X	X		3
12	MW-10	4/6/09	13:14	GW	DE	X	X		3
13	DUP-01	4/6/09	—	GW	DE	X	X		3
14	FB-01	4/6/09	10:05	DW	DE	X	X		3
15	Trip Blank	—	—	DW	—	X			1

Container Type: V P
Preservative: B C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01 (rev. 14-OCT-07)

Relinquished By:	Date/Time	Received By:	Date/Time
	4/6/09 1800		4/6/09 1820
	4/7/09 1035		4/7/09 1035
	4/7/09 1520		4/7/09 1520

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Brady 4-7-09 1840

Kim Bailey 4/7/09 1840

ATTACHMENT B

CASE NARRATIVE
SDG No. L0904242
Volatiles and Metals in Water Samples

SDG NARRATIVE
L0904242

Total Metals
L0904242-01 has an elevated detection limit for Sodium due to the 5x dilution required to quantitate the result within the calibration range.

L0904242-07 has an elevated detection limit for Silver due to the 10x dilution required by spectral interferences encountered during analysis.

Volatile Organics
The following samples have elevated detection limits due to the following dilutions required by the elevated concentrations of target compounds in the samples:
L0904242-01: 2x
L0904242-08: 25x
L0904242-10: 10x

Volatile Organics: Elaine

Instrument: Agilent 5973 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Teledyne Velocity
Autosampler: Teledyne Solatek
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 um
ID: 0.18 mm
Desorb: 2 min

Note: Sample calculations to final concentration for each specific fraction are located in each fraction section of the data package.

I certify that this 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 Sample Data Package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Michelle M. Morris
Technical Representative

4/13/09
Date

ATTACHMENT C

DATA VALIDATION REPORT
SDG No. L0904242
Volatiles and Metals in Water Samples

DATA VALIDATION

FOR

PENTREX SITE
GLENWOOD LANDING, NEW YORK

April 2009 Sampling Round

ANALYSIS DATA
Volatiles and Metals in Water Samples

Sample Delivery Group (SDG) No. L0904242

Chemical Analyses Performed By:

Alpha Analytical
Eight Walkup Drive
Westborough, MA 01581-101

For:

John D. Eichler
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

May 7, 2009

Stone Environmental, Inc. SDG No. L0904242
May 7, 2009

EXECUTIVE SUMMARY

Stone Environmental, Inc. (Stone) has completed third-party data validation on the organics and inorganic analyses for volatile organic (VOA) and metals data in water samples as prepared by Alpha Analytical from the Pentrex Site in Glenwood Landing, New York. The laboratory reported the data under Sample Delivery Group (SDG) No. L0904242 that was submitted as a single data package received by Stone (electronically) on April 30, 2009. As requested in the Project Plan and by P.W. Grosser, approximately 10%, or two samples from this SDG, was considered for full data validation. The samples below were selected for validation as follows:

Sample No.	Laboratory ID	Parameter
MW-2	L0904242-02	VOA, metals
MW-3	L0904242-03	VOA, metals
DUP-01	L0904242-13	VOA, metals
FB-01	L0904242-14	VOA, metals
Trip Blank	L0904242-15	VOA, metals

The samples in this data set represent samples collected on April 6, 2009. The samples were received at the laboratory on April 7, 2009.

Findings of the validation effort deemed the sample results valid as reported with a single exception. Results for dichlorodifluoromethane in all samples were qualified as estimated (UJ).

Documentation problems observed in the data package and on the chain of custody records are described in Section XVIII.

This validation report shall be considered part of the data package for all future distributions of the volatiles and metals analysis data.

The Overall Evaluation of Data (Section XVII) 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/holding times	√		
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 reference materials	√		
Field duplicate results	√		
ICP Serial Dilution	√		
Surrogate recoveries	√		
Internal standard results	√		
Compound identification	√		
Sample results	√		
Calculations/transcriptions	√		

NA - *Not applicable; indicates that either the QC is not applicable to this data set or is not required by the method.*

INTRODUCTION

Analyses of water samples were performed according to US EPA SW846 Methodologies: Method 8260 GC/MS analyses for volatiles, and 6010B/7140 for metals/mercury. The target compound lists included all standard target analytes typically specified under these methods.

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", dated 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" (Rev. 2, December 1996) and SOP#HW-2 "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, October 1999) 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 requested by P.W. Grosser, an independent third party data validation was performed on 10% of the sample data. In addition, the validation effect was used to complete the data usability evaluation for the 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. They are recorded on the Organic Analysis Data Sheets (Form I) in Attachment A of this validation report and in the Validation EDD submitted electronically. The electronic data file is L0904242_ny8wdatavalidationquals.xls which contains the validated data in tabular format.

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.

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 water samples for these analyses were collected on April 6, 2009. The samples were received at the laboratory on April 7, 2009. 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. All samples were received at the laboratory at the appropriate temperature (<10°C).

According to the chain of custody, samples MW-7 and MW-8D were put on hold and not analyzed for volatiles. In addition, the log in summary made note that the samples required de-quenching or de-colorizing prior to analysis due to the presence of permanganate in the samples.

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). Tunes were analyzed for each shift (12-hour period) during which the samples or associated standards were analyzed. All three 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) standards as specified in the EPA Inorganic (ILM) Statement of Work were analyzed at the required frequencies and concentrations for selected metals and all applicable analytes on the ICP analyzers. Percent recoveries were accurately reported and were acceptable.

Initial and continuing calibration verifications were performed for all organic analyses and were acceptable with the following exceptions:

Analysis Date	Analysis Time	Compound	% D	Action
4/8/09 (0408A02)	0810	dichlorodifluoromethane	31	Est.
4/9/09 (0409A02)	0807	dichlorodifluoromethane	31	Est.
4/9/09 (0409A02)	0807	Trichlorofluoromethane	-31	No Action*

Initial Calibration (IC) limits = ≤15%RSD or <0.995, Continuing Calibration (CC) limits = 25%D Est. = Estimate (J, UJ) associated samples. * QC samples only in sequence

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 %D values in the associated calibration standards, results for dichlorodifluoromethane in all samples were qualified as estimated (UJ).

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 the following exceptions as noted below.

No target analytes were detected in any of the VOA method blanks.

No target compounds were detected in any metals continuing calibration or preparation blanks.

A Trip blank (TB) and a field blank (FB) were submitted with the samples in this data set. No target analytes were detected in the TB. Methylene chloride and calcium were detected in the FB at 6.8 ppb and 0.13 ppm, respectively. Since methylene chloride was not detected in any field samples and calcium was detected in all field samples above the action limit, no data was 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 summaries and were within acceptance limits for the samples.

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.

VI. Matrix Spike/Matrix Spike Duplicate/Laboratory Duplicate (MS/MSD/Dup)

Sample MW-2 was prepared as a water-matrix MS/MSD pair. Percent recoveries (%R) and relative percent differences (%RPD) between paired recoveries were correctly calculated and accurately reported on the Form III summaries for the OLM spiked analytes in the organic analyses and on the Form–V summary in the inorganic analyses. All reported %Rs were acceptable and reproducible.

VII. Field Duplicate Precision

Sample DUP-01 was identified as a field duplicate of MW-3. All target analytes greater than the quantitation limit exhibited excellent reproducibility (0-19RPD; <30%RPD).

VIII. Performance Evaluation Samples (PES)/Accuracy Check/ICP Serial Dilution Analysis

Zero blank PES, commonly known as laboratory control samples or laboratory control sample duplicates (LCS/LCSD), were performed at the required frequency and results were provided on Form III-like (organic) and Form VII-like (inorganic) summaries for all analyses. Recoveries were acceptable and within the laboratory derived recovery limits.

An ICP serial dilution was performed on the same sample as the MS/MSD pair. 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 Form I. Several samples were analyzed at a dilution due to the presence of target analytes above the calibration range of the instruments and are noted in the case narrative. Reporting limits were adjusted accordingly by the laboratory.

Sample-specific results for all analytes may be found on the laboratory-generated Form Is for each sample. The laboratory generated Form Is have been annotated with the data validation qualifiers as defined in this report and provided in Attachment A.

XI. 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.

XII. Overall Evaluation of Data

Findings of the validation effort deemed the sample results valid as reported with a single exception. Based on unacceptable %D values in the associated calibration standards, results for dichlorodifluoromethane in all samples were qualified as estimated (UJ).

XIII. 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.

This validation report shall be considered part of the data package for all future distributions of the volatiles and metals analysis data.

ATTACHMENT A

ANALYSIS DATA SUMMARY SHEETS (Form I)
SDG No. L0904242
Volatiles and Metals in Water Samples

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB-01

Lab Name: Alpha Analytical Labs

SDG No.: L0904242 GC Column:

Matrix: (soil/water) WATER Lab Sample ID: L0904242-14

Sample wt/vol: 10.0 (g/mL) ml Lab File ID: 0408A08

Level: (low/med) LOW Date Received: 04/07/09

%Solids: N/A Date Analyzed: 04/08/09 11:42

Dilution Factor: 1

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

CAS NO.	COMPOUND	CONC. UNITS: ug/L	Q
75-09-2	Methylene chloride	6.8	
75-34-3	1,1-Dichloroethane	0.75	U
67-66-3	Chloroform	0.75	U
56-23-5	Carbon tetrachloride	0.50	U
78-87-5	1,2-Dichloropropane	1.8	U
124-48-1	Dibromochloromethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.75	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-69-4	Trichlorofluoromethane	2.5	U
107-06-2	1,2-Dichloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloropropene	2.5	U
75-25-2	Bromoform	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
71-43-2	Benzene	0.50	U
108-88-3	Toluene	0.75	U
100-41-4	Ethylbenzene	0.50	U
74-87-3	Chloromethane	2.5	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.75	U
79-01-6	Trichloroethene	0.50	U
95-50-1	1,2-Dichlorobenzene	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
1634-04-4	Methyl tert butyl ether	1.0	U
106-42-3/108-38-p/m-Xylene		1.0	U
95-47-6	o-Xylene	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	U

FORM I VOA-1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB-01

Lab Name: Alpha Analytical Labs

SDG No.: L0904242 GC Column:

Matrix: (soil/water) WATER Lab Sample ID: L0904242-14

Sample wt/vol: 10.0 (g/mL) ml Lab File ID: 0408A08

Level: (low/med) LOW Date Received: 04/07/09

%Solids: N/A Date Analyzed: 04/08/09 11:42

Dilution Factor: 1

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

CAS NO.	COMPOUND	CONC. UNITS: ug/L	Q
74-95-3	Dibromomethane	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
107-13-1	Acrylonitrile	5.0	U
100-42-5	Styrene	1.0	U
75-71-8	Dichlorodifluoromethane	5.0	U J
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
78-93-3	2-Butanone	5.0	U
108-05-4	Vinyl acetate	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	2.5	U
594-20-7	2,2-Dichloropropane	2.5	U
106-93-4	1,2-Dibromoethane	2.0	U
142-28-9	1,3-Dichloropropane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	2.5	U
104-51-8	n-Butylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
98-06-6	tert-Butylbenzene	2.5	U
95-49-8	o-Chlorotoluene	2.5	U
106-43-4	p-Chlorotoluene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
87-68-3	Hexachlorobutadiene	0.60	U
98-82-8	Isopropylbenzene	0.50	U
99-87-6	p-Isopropyltoluene	0.50	U
91-20-3	Naphthalene	2.5	U
103-65-1	n-Propylbenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
108-67-8	1,3,5-Trimethylbenzene	2.5	U
95-63-6	1,2,4-Trimethylbenzene	2.5	U
105-05-5	1,4-Diethylbenzene	2.0	U
622-96-8	4-Ethyltoluene	2.0	U
95-93-2	1,2,4,5-Tetramethylbenzene	2.0	U

FORM I VOA-1

5/6/09

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-2

Lab Name: Alpha Analytical Labs

SDG No.: L0904242 GC Column:

Matrix: (soil/water) WATER Lab Sample ID: L0904242-02

Sample wt/vol: 10.0 (g/mL) ml Lab File ID: 0408A10

Level: (low/med) LOW Date Received: 04/07/09

%Solids: N/A Date Analyzed: 04/08/09 12:53

Dilution Factor: 1

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

CAS NO.	COMPOUND	CONC. UNITS: ug/L	Q
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	0.75	U
67-66-3	Chloroform	0.75	U
56-23-5	Carbon tetrachloride	0.50	U
78-87-5	1,2-Dichloropropane	1.8	U
124-48-1	Dibromochloromethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.75	U
127-18-4	Tetrachloroethene	5.1	
108-90-7	Chlorobenzene	0.50	U
75-69-4	Trichlorofluoromethane	2.5	U
107-06-2	1,2-Dichloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloropropene	2.5	U
75-25-2	Bromoform	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
71-43-2	Benzene	0.50	U
108-88-3	Toluene	0.75	U
100-41-4	Ethylbenzene	0.50	U
74-87-3	Chloromethane	2.5	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.75	U
79-01-6	Trichloroethene	0.50	U
95-50-1	1,2-Dichlorobenzene	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
1634-04-4	Methyl tert butyl ether	1.0	U
106-42-3/108-38-p/m-Xylene		1.0	U
95-47-6	o-Xylene	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	U

FORM I VOA-1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-2

Lab Name: Alpha Analytical Labs

SDG No.: L0904242 GC Column:

Matrix: (soil/water) WATER Lab Sample ID: L0904242-02

Sample wt/vol: 10.0 (g/mL) ml Lab File ID: 0408A10

Level: (low/med) LOW Date Received: 04/07/09

%Solids: N/A Date Analyzed: 04/08/09 12:53

Dilution Factor: 1

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

CAS NO.	COMPOUND	CONC. UNITS: ug/L	Q
74-95-3	Dibromomethane	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
107-13-1	Acrylonitrile	5.0	U
100-42-5	Styrene	1.0	U
75-71-8	Dichlorodifluoromethane	5.0	U J
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
78-93-3	2-Butanone	5.0	U
108-05-4	Vinyl acetate	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	2.5	U
594-20-7	2,2-Dichloropropane	2.5	U
106-93-4	1,2-Dibromoethane	2.0	U
142-28-9	1,3-Dichloropropane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	2.5	U
104-51-8	n-Butylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
98-06-6	tert-Butylbenzene	2.5	U
95-49-8	o-Chlorotoluene	2.5	U
106-43-4	p-Chlorotoluene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
87-68-3	Hexachlorobutadiene	0.60	U
98-82-8	Isopropylbenzene	0.50	U
99-87-6	p-Isopropyltoluene	0.50	U
91-20-3	Naphthalene	2.5	U
103-65-1	n-Propylbenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
108-67-8	1,3,5-Trimethylbenzene	2.5	U
95-63-6	1,2,4-Trimethylbenzene	2.5	U
105-05-5	1,4-Diethylbenzene	2.0	U
622-96-8	4-Ethyltoluene	2.0	U
95-93-2	1,2,4,5-Tetramethylbenzene	2.0	U

FORM I VOA-1

KBW 5/6/09

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3

Lab Name: Alpha Analytical Labs

SDG No.: L0904242 GC Column:

Matrix: (soil/water) WATER Lab Sample ID: L0904242-03

Sample wt/vol: 10.0 (g/mL) ml Lab File ID: 0408A11

Level: (low/med) LOW Date Received: 04/07/09

%Solids: N/A Date Analyzed: 04/08/09 13:28

Dilution Factor: 1

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

CAS NO.	COMPOUND	CONC. UNITS: ug/L	Q
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	0.75	U
67-66-3	Chloroform	0.75	U
56-23-5	Carbon tetrachloride	0.50	U
78-87-5	1,2-Dichloropropane	1.8	U
124-48-1	Dibromochloromethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.75	U
127-18-4	Tetrachloroethene	1.1	
108-90-7	Chlorobenzene	0.50	U
75-69-4	Trichlorofluoromethane	2.5	U
107-06-2	1,2-Dichloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloropropene	2.5	U
75-25-2	Bromoform	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
71-43-2	Benzene	0.50	U
108-88-3	Toluene	0.75	U
100-41-4	Ethylbenzene	0.50	U
74-87-3	Chloromethane	2.5	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.75	U
79-01-6	Trichloroethene	1.2	
95-50-1	1,2-Dichlorobenzene	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
1634-04-4	Methyl tert butyl ether	1.0	U
106-42-3/108-38-p/m	Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.8	

FORM I VOA-1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3

Lab Name: Alpha Analytical Labs

SDG No.: L0904242 GC Column:

Matrix: (soil/water) WATER Lab Sample ID: L0904242-03

Sample wt/vol: 10.0 (g/mL) ml Lab File ID: 0408A11

Level: (low/med) LOW Date Received: 04/07/09

%Solids: N/A Date Analyzed: 04/08/09 13:28

Dilution Factor: 1

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

CAS NO.	COMPOUND	CONC. UNITS: ug/L	Q
74-95-3	Dibromomethane	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
107-13-1	Acrylonitrile	5.0	U
100-42-5	Styrene	1.0	U
75-71-8	Dichlorodifluoromethane	5.0	U J
67-64-1	Acetone	8.8	
75-15-0	Carbon disulfide	5.0	U
78-93-3	2-Butanone	5.0	U
108-05-4	Vinyl acetate	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	2.5	U
594-20-7	2,2-Dichloropropane	2.5	U
106-93-4	1,2-Dibromoethane	2.0	U
142-28-9	1,3-Dichloropropane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	2.5	U
104-51-8	n-Butylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
98-06-6	tert-Butylbenzene	2.5	U
95-49-8	o-Chlorotoluene	2.5	U
106-43-4	p-Chlorotoluene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
87-68-3	Hexachlorobutadiene	0.60	U
98-82-8	Isopropylbenzene	0.50	U
99-87-6	p-Isopropyltoluene	0.50	U
91-20-3	Naphthalene	2.5	U
103-65-1	n-Propylbenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
108-67-8	1,3,5-Trimethylbenzene	2.5	U
95-63-6	1,2,4-Trimethylbenzene	2.5	U
105-05-5	1,4-Diethylbenzene	2.0	U
622-96-8	4-Ethyltoluene	2.0	U
95-93-2	1,2,4,5-Tetramethylbenzene	2.0	U

FORM I VOA-1

5/8/09

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUP-01

Lab Name: Alpha Analytical Labs

SDG No.: L0904242 GC Column:

Matrix: (soil/water) WATER Lab Sample ID: L0904242-13

Sample wt/vol: 10.0 (g/mL) ml Lab File ID: 0408A19

Level: (low/med) LOW Date Received: 04/07/09

%Solids: N/A Date Analyzed: 04/08/09 18:11

Dilution Factor: 1

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

CAS NO.	COMPOUND	CONC. UNITS: ug/L	Q
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	0.75	U
67-66-3	Chloroform	0.75	U
56-23-5	Carbon tetrachloride	0.50	U
78-87-5	1,2-Dichloropropane	1.8	U
124-48-1	Dibromochloromethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.75	U
127-18-4	Tetrachloroethene	1.3	
108-90-7	Chlorobenzene	0.50	U
75-69-4	Trichlorofluoromethane	2.5	U
107-06-2	1,2-Dichloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloropropene	2.5	U
75-25-2	Bromoform	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
71-43-2	Benzene	0.50	U
108-88-3	Toluene	0.75	U
100-41-4	Ethylbenzene	0.50	U
74-87-3	Chloromethane	2.5	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.75	U
79-01-6	Trichloroethene	1.2	
95-50-1	1,2-Dichlorobenzene	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
1634-04-4	Methyl tert butyl ether	1.0	U
106-42-3/108-38-p/m-Xylene		1.0	U
95-47-6	o-Xylene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.7	

FORM I VOA-1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUP-01

Lab Name: Alpha Analytical Labs

SDG No.: L0904242 GC Column:

Matrix: (soil/water) WATER Lab Sample ID: L0904242-13

Sample wt/vol: 10.0 (g/mL) ml Lab File ID: 0408A19

Level: (low/med) LOW Date Received: 04/07/09

%Solids: N/A Date Analyzed: 04/08/09 18:11

Dilution Factor: 1

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

CAS NO.	COMPOUND	CONC. UNITS: ug/L	Q
74-95-3	Dibromomethane	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
107-13-1	Acrylonitrile	5.0	U
100-42-5	Styrene	1.0	U
75-71-8	Dichlorodifluoromethane	5.0	U J
67-64-1	Acetone	10	
75-15-0	Carbon disulfide	5.0	U
78-93-3	2-Butanone	5.0	U
108-05-4	Vinyl acetate	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	2.5	U
594-20-7	2,2-Dichloropropane	2.5	U
106-93-4	1,2-Dibromoethane	2.0	U
142-28-9	1,3-Dichloropropane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	2.5	U
104-51-8	n-Butylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
98-06-6	tert-Butylbenzene	2.5	U
95-49-8	o-Chlorotoluene	2.5	U
106-43-4	p-Chlorotoluene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
87-68-3	Hexachlorobutadiene	0.60	U
98-82-8	Isopropylbenzene	0.50	U
99-87-6	p-Isopropyltoluene	0.50	U
91-20-3	Naphthalene	2.5	U
103-65-1	n-Propylbenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
108-67-8	1,3,5-Trimethylbenzene	2.5	U
95-63-6	1,2,4-Trimethylbenzene	2.5	U
105-05-5	1,4-Diethylbenzene	2.0	U
622-96-8	4-Ethyltoluene	2.0	U
95-93-2	1,2,4,5-Tetramethylbenzene	2.0	U

FORM I VOA-1

KBW 5/6/09

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L0904242

GC Column:

Matrix: (soil/water) WATER

Lab Sample ID: L0904242-15

Sample wt/vol: 10.0 (g/mL) ml

Lab File ID: 0408A20

Level: (low/med) LOW

Date Received: 04/07/09

%Solids: N/A

Date Analyzed: 04/08/09 18:46

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONC. UNITS: ug/L	Q
75-09-2	Methylene chloride	5.0	U
75-34-3	1,1-Dichloroethane	0.75	U
67-66-3	Chloroform	0.75	U
56-23-5	Carbon tetrachloride	0.50	U
78-87-5	1,2-Dichloropropane	1.8	U
124-48-1	Dibromochloromethane	0.50	U
79-00-5	1,1,2-Trichloroethane	0.75	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-69-4	Trichlorofluoromethane	2.5	U
107-06-2	1,2-Dichloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
563-58-6	1,1-Dichloropropene	2.5	U
75-25-2	Bromoform	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
71-43-2	Benzene	0.50	U
108-88-3	Toluene	0.75	U
100-41-4	Ethylbenzene	0.50	U
74-87-3	Chloromethane	2.5	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-35-4	1,1-Dichloroethene	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.75	U
79-01-6	Trichloroethene	0.50	U
95-50-1	1,2-Dichlorobenzene	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
1634-04-4	Methyl tert butyl ether	1.0	U
106-42-3/108-38-p/m-Xylene		1.0	U
95-47-6	o-Xylene	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.50	U

FORM I VOA-1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L0904242 GC Column:

Matrix: (soil/water) WATER Lab Sample ID: L0904242-15

Sample wt/vol: 10.0 (g/mL) ml Lab File ID: 0408A20

Level: (low/med) LOW Date Received: 04/07/09

%Solids: N/A Date Analyzed: 04/08/09 18:46

Dilution Factor: 1

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

CAS NO.	COMPOUND	CONC. UNITS: ug/L	Q
74-95-3	Dibromomethane	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
107-13-1	Acrylonitrile	5.0	U
100-42-5	Styrene	1.0	U
75-71-8	Dichlorodifluoromethane	5.0	U J
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	5.0	U
78-93-3	2-Butanone	5.0	U
108-05-4	Vinyl acetate	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	2.5	U
594-20-7	2,2-Dichloropropane	2.5	U
106-93-4	1,2-Dibromoethane	2.0	U
142-28-9	1,3-Dichloropropane	2.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
108-86-1	Bromobenzene	2.5	U
104-51-8	n-Butylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
98-06-6	tert-Butylbenzene	2.5	U
95-49-8	o-Chlorotoluene	2.5	U
106-43-4	p-Chlorotoluene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
87-68-3	Hexachlorobutadiene	0.60	U
98-82-8	Isopropylbenzene	0.50	U
99-87-6	p-Isopropyltoluene	0.50	U
91-20-3	Naphthalene	2.5	U
103-65-1	n-Propylbenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
108-67-8	1,3,5-Trimethylbenzene	2.5	U
95-63-6	1,2,4-Trimethylbenzene	2.5	U
105-05-5	1,4-Diethylbenzene	2.0	U
622-96-8	4-Ethyltoluene	2.0	U
95-93-2	1,2,4,5-Tetramethylbenzene	2.0	U

FORM I VOA-1

KPM 5/6/09

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-2

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-02

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/10/09 14:15

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum	0.10	U		
7440-36-0	Antimony	0.050	U		
7440-38-2	Arsenic	0.005	U		
7440-39-3	Barium	0.010	U		
7440-41-7	Beryllium	0.005	U		
7440-43-9	Cadmium	0.005	U		
7440-70-2	Calcium				
7440-47-3	Chromium	0.01	U		
7440-48-4	Cobalt	0.020	U		
7440-50-8	Copper	0.010	U		
7439-89-6	Iron	0.21			
7439-92-1	Lead	0.010	U		
7439-95-4	Magnesium				
7439-96-5	Manganese	0.131			
7439-97-6	Mercury				
7439-98-7	Molybdenum				
7440-02-0	Nickel	0.025	U		
7440-09-7	Potassium	2.5	U		
7782-49-2	Selenium	0.010	U		
7440-22-4	Silver	0.007	U		
7440-23-5	Sodium	9.0			
7440-24-6	Strontium				
7440-28-0	Thallium	0.020	U		
7440-62-2	Vanadium	0.010	U		
7440-66-6	Zinc	0.050	U		
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-2

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-02

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/11/09 18:34

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium	11			
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium	1.6			
7439-96-5	Manganese				
7439-97-6	Mercury				
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-2

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-02

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/9/09 12:03

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.0002	U		
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-03

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/10/09 14:30

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum	2.6			
7440-36-0	Antimony	0.050	U		
7440-38-2	Arsenic	0.005	U		
7440-39-3	Barium	0.075			
7440-41-7	Beryllium	0.005	U		
7440-43-9	Cadmium	0.005	U		
7440-70-2	Calcium				
7440-47-3	Chromium	0.07			
7440-48-4	Cobalt	0.020	U		
7440-50-8	Copper	0.047			
7439-89-6	Iron	7.8			
7439-92-1	Lead	0.043			
7439-95-4	Magnesium				
7439-96-5	Manganese	1.30			
7439-97-6	Mercury				
7439-98-7	Molybdenum				
7440-02-0	Nickel	0.049			
7440-09-7	Potassium	3.5			
7782-49-2	Selenium	0.010	U		
7440-22-4	Silver	0.007	U		
7440-23-5	Sodium	52			
7440-24-6	Strontium				
7440-28-0	Thallium	0.020	U		
7440-62-2	Vanadium	0.015			
7440-66-6	Zinc	0.229			
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-03

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/11/09 18:47

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium	40			
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium	9.8			
7439-96-5	Manganese				
7439-97-6	Mercury				
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-03

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/9/09 12:09

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.0002	U		
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUP-01

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-13

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/10/09 15:08

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum	2.5			
7440-36-0	Antimony	0.050	U		
7440-38-2	Arsenic	0.005	U		
7440-39-3	Barium	0.067			
7440-41-7	Beryllium	0.005	U		
7440-43-9	Cadmium	0.005	U		
7440-70-2	Calcium				
7440-47-3	Chromium	0.06			
7440-48-4	Cobalt	0.020	U		
7440-50-8	Copper	0.042			
7439-89-6	Iron	7.2			
7439-92-1	Lead	0.041			
7439-95-4	Magnesium				
7439-96-5	Manganese	1.26			
7439-97-6	Mercury				
7439-98-7	Molybdenum				
7440-02-0	Nickel	0.045			
7440-09-7	Potassium	3.0			
7782-49-2	Selenium	0.010	U		
7440-22-4	Silver	0.007	U		
7440-23-5	Sodium	43			
7440-24-6	Strontium				
7440-28-0	Thallium	0.020	U		
7440-62-2	Vanadium	0.015			
7440-66-6	Zinc	0.224			
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUP-01

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-13

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/11/09 19:23

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium	35			
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium	9.2			
7439-96-5	Manganese				
7439-97-6	Mercury				
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUP-01

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-13

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/9/09 12:30

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.0002	U		
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB-01

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-14

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/10/09 15:12

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum	0.10	U		
7440-36-0	Antimony	0.050	U		
7440-38-2	Arsenic	0.005	U		
7440-39-3	Barium	0.010	U		
7440-41-7	Beryllium	0.005	U		
7440-43-9	Cadmium	0.005	U		
7440-70-2	Calcium				
7440-47-3	Chromium	0.01	U		
7440-48-4	Cobalt	0.020	U		
7440-50-8	Copper	0.010	U		
7439-89-6	Iron	0.05	U		
7439-92-1	Lead	0.010	U		
7439-95-4	Magnesium				
7439-96-5	Manganese	0.010	U		
7439-97-6	Mercury				
7439-98-7	Molybdenum				
7440-02-0	Nickel	0.025	U		
7440-09-7	Potassium	2.5	U		
7782-49-2	Selenium	0.010	U		
7440-22-4	Silver	0.007	U		
7440-23-5	Sodium	2.0	U		
7440-24-6	Strontium				
7440-28-0	Thallium	0.020	U		
7440-62-2	Vanadium	0.010	U		
7440-66-6	Zinc	0.050	U		
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB-01

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-14

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/11/09 19:26

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium	0.13			
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium	0.10	U		
7439-96-5	Manganese				
7439-97-6	Mercury				
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB-01

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L0904242

Matrix (soil/water): WATER

Lab Sample ID: L0904242-14

Date Received: 04/07/09

% Solids: N/A

Date Analyzed: 4/9/09 12:32

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.0002	U		
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments: