P.W. GROSSER CONSULTING

January 30, 2014

Mr. Steve Scharf
Bureau of Hazardous Site Control
NYS Department of Environmental Conservation
625 Broadway
Albany, NY 12233

Re: 2013 Annual Minmilt Report
Site No. 1-52-147

Dear Mr. Scharf:

Enclosed is the *2013 Third and Fourth Quarter Monitoring Report for the Interim Remedial Measure at Minmilt Realty, East Farmingdale, New York* prepared by P.W. Grosser Consulting (PWGC) on behalf of Minmilt Realty. The report documents routine monitoring / repairs for the third and fourth quarter 2013 and progress of site remediation.

As per the OM&M plan approved in 2004, this sampling event is an annual sampling event that includes sampling all project monitoring wells, compared to the reduced list of wells sampled during the remainder of the year.

In September 2013, the transfer pump associated with the SVE system malfunctioned and required replacement. The replacement of the transfer pump was completed in October 2013 and did not inhibit the operation of the groundwater treatment system. Since the transfer pump / SVE system was inoperable, the third quarter groundwater sampling from the monitoring wells was postponed until the transfer pump was replaced. Rather than collect two groundwater rounds in the fourth quarter, PWGC requested that a third and fourth quarter 2013 event could be performed in November 2013. The NYSDEC approved this request. This report covers both the third and fourth quarter monitoring.

No significant repairs were made to the groundwater treatment system during 2013.

At the end of the fourth quarter 2013, approximate totals of 34,382 pounds of TVOCs (32,901 pounds of PCE) were removed by the groundwater remedial system and 5,347 pounds of TVOCs by the SVE system.

During the time needed for the repair to the transfer pump associated with the SVE system, this system was shut down for approximately three to four weeks. The SVE concentrations were elevated above typical concentrations following the shut-down. PWGC will re-assess these conditions during the 1st Quarter 2014 to see if the concentrations return to normal.

PWGC will attend a meeting with the NYSDEC to discuss site progress and future plans. PWGC will submit a work-plan in the 1st Quarter 2014 to discuss supplemental sampling to assess the Magothy Well #2 area and potential modifications to the sampling schedule.

Should you have any questions or require additional information, please do not hesitate to call this office.

Very truly yours,
PWGC

Rocky Wenskus
Senior Hydrogeologist

Bryan Devaux
Vice-President

cc w/encl.: R. Cole, Minmilt
C. Lubicich, SCDHS
R. Dorado, J.D'Addario

ACEC
American Council of Engineering Companies
Peer Reviewed Member

MINMILT REALTY GROUNDWATER TREATMENT SYSTEM
540 SMITH STREET
FARMINGDALE, NY 11735
SITE NO. 1-52-147

2013 THIRD AND FOURTH QUARTER / ANNUAL MINMILT REPORT

PREPARED FOR:

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NYS Department of Environmental Conservations
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PWGC Project Number: MIN1001

JANUARY 2014

2013 THIRD AND FOURTH QUARTER / ANNUAL MINMILT REPORT
SITE NO. 1-52-147

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2013 Third and Fourth Quarter / Annual Minmilt Report

Site No. 1-52-147

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1.0 INTRODUCTION

This report was prepared by P.W. Grosser Consulting Inc. (PWGC) on behalf of Minmilt Realty Corp. The overall objective of this report is to document routine monitoring for the 2012 Annual / Fourth Quarter sampling round during the Operation and Maintenance (O&M) of the Interim Remedial Measure (IRM) at the Minmilt Realty site (NYSDEC Site No. 1-52-147). Results of the routine monitoring were used to maintain effective system operation, monitor compliance with applicable discharge permits, and monitor the effectiveness and progress of site remediation. A detailed description of the monitoring procedures and schedules are discussed in the *Operation Maintenance and Monitoring Program for the Approved Remedial Measure at Minmilt Realty, East Farmingdale, New York, (OM&M Program)* which was prepared by PWGC and approved by the NYSDEC in December 2004. The OM&M Program was based upon, and ultimately, replaced the *Operation and Maintenance Program for the Interim Remedial Measure at Minmilt Realty, East Farmingdale, New York, October 1996, revised March 1997, (O&M Program)* prepared by PWGC.

As per the latest OM&M program approved in 2004, the content of the quarterly reports and sampling has been reduced. Quarterly sampling consists of the sampling of 12 monitoring wells and Multi-Level well, the groundwater remedial system and the SVE system, while the annual sampling includes all project wells. As with previous Annual Reports, full site descriptions and histories are included and will continue to be included in subsequent Annual Reports.

As a portion of the remedial system was out of service in September 2013, sampling could not occur until the system was repaired in October 2013. With permission from the NYSDEC, the 3rd and 4th Quarter sampling was combined into one event and report.

This report documents the repair and sampling activities performed during the third and fourth quarters for 2013.

1.1 Site Description

The Minmilt Realty site is located at 540 Smith Street, East Farmingdale, New York, and is owned by Minmilt Realty Corp. The building was formerly leased by Hygrade Metal Moulding until June 30, 1997, when they moved their manufacturing facilities off of Long Island. The building remained vacant until November 1997 when it was leased by J. D'Addario & Company, Inc. The site is located on the south side of Smith Street, between New Highway and Wellwood Avenue. The Minmilt Realty site encompasses 2.28 acres with a single story building of 47,103.6 square feet.

The Minmilt Realty site is bordered on the east by 550 Smith Street. This building was formerly used by Great Neck Saw, a manufacturer of metal tape measures, as well as J. D'Addario & Company, Inc. as a storage warehouse and is currently occupied by Ambassador Book Service. The property to the south, which up until 2008 was occupied by Joe Montgomery as a furniture storage warehouse, is currently occupied by Century Carriers, a trucking service company. This property was historically occupied by Cantor Brothers, a chemical repackaging and handling facility which is on the NYSDEC List of Inactive Hazardous Waste Disposal Sites (Site No. 1-52-021). A remedial investigation was performed at the former Cantor Brothers site and a remedial measure consisting of three SVE wells was initiated in June of 1998. As of June 14, 2001, the Cantor Brothers SVE system has been shut down. Bordering the site to the west is a building occupied by Liedel Corp. which fronts a Town of Babylon recharge basin.

This part of East Farmingdale and lower Melville is predominantly industrial/commercial. There are a number of additional Inactive Hazardous Waste sites, as well as sites under NYSDEC and SCDHS consent orders for environmental clean-ups in the immediate area. Investigations in the immediate vicinity of the site are discussed in the *Investigation Report for Hygrade Metal Moulding Corp., 540 Smith Street Farmingdale, New York 11735, March 1993, revised January 1994 (Investigation Report)* prepared by PWGC.

Further east is Pinelawn National Cemetery and further south is Pinelawn Memorial Park Cemetery. The site's potable water is provided by the East Farmingdale Water District. Wastewater from the site is discharged to the municipal sewer.

1.2 Site History

The Minmilt Realty building was constructed in 1965 for Hygrade Metal Moldings. Prior to 1965, the property was vacant and used for agricultural purposes. Hygrade manufactured metal mouldings from strip metals used in the construction of windows and other finished products. Prior to 1983, Hygrade used a vapor degreaser to clean metal parts with tetrachloroethylene (PCE). This procedure was terminated in 1983.

The SCDHS issued Minmilt Realty an Order on Consent (No. IW-91-0021) in January 1992. The Consent Order alleged that Minmilt Realty caused or permitted the discharge of toxic or hazardous material to an on-site leaching pool subsequently violating Section 760-1205 of Article 12 of the Suffolk County Sanitary Code. The

referenced leaching pool is reported to have received periodic discharges from the vapor degreaser that contained PCE.

In response to the SCDHS Consent Order, a soil and groundwater investigation was conducted by PWGC under subcontract to Middleton, Kontokosta Associates (MKA). The objective of the investigation was to identify on-site contamination and associated source areas resulting from the alleged discharges. The results of the investigation are contained in the *Investigation Report* prepared by PWGC.

The soil and groundwater investigation identified significant soil contamination present in the subsurface on the east side of the building. The contamination is primarily PCE and was detected at concentrations high enough to classify some of the soil material as hazardous. PCE concentrations were found to increase with depth towards the water table. At the time, it was estimated that approximately 5,500 cubic yards of soil have been impacted.

In addition, PCE was detected in the groundwater beneath the site in excess of acceptable NYSDEC standards. Contaminated soils are suspected to be the primary source of PCE in the groundwater. The PCE plume was determined to extend down-gradient to at least the southern property line of Hygrade and vertically to at least 80 feet below grade (40 feet below the water table).

The soil and groundwater investigation also determined that background and up-gradient groundwater quality in the vicinity of the Minmilt Realty site was also degraded indicating the presence of other up-gradient sources of contamination.

In order to expedite the clean-up of the Minmilt Realty site and minimize further degradation of groundwater quality, an interim remedial measure (IRM) was proposed. The IRM consists of a soil vapor extraction and groundwater pump and treat combination system to remove the contamination. Details of the proposed IRM are contained in PWGC's report entitled *Interim Remedial Measure to be Conducted at the Hygrade Metal Moulding Facility, East Farmingdale, New York - An Evaluation of Alternatives and Design, January 1994, revised December 1995 and April 1996 (IRM Report)*.

Prior to the approval of the IRM, a remedial investigation was undertaken at the Minmilt Realty Site to address the following;

1 – the potential existence of other on-site sources,

2 – the potential migration of volatile organic vapors into the Minmilt Realty building and adjacent structures,

3 – the off-site migration of the dissolved groundwater plume, and

4 – the vertical depth of the dissolved groundwater plume.

Complete results of this investigation are contained in the *Remedial Investigation Report For Hygrade Metal Moulding Manufacturing Corp., East Farmingdale, New York, October 1995, revised February 1996 (Remedial Investigation Report)*.

There were no additional sources of PCE identified by the remedial investigation at the Minmilt Realty Site. The vertical extent of the groundwater plume was determined to exist in the Magothy Aquifer to a depth of approximately 185 feet where it is contained by a clay layer. In addition, on-site monitoring well MW-3 was found to contain a mixture of fuel oil and PCE in a non-aqueous state. The findings of the remedial investigation resulted in the approval of the most recently revised *IRM Report* (April 1996) and the subsequent construction of the proposed treatment system.

Construction of the IRM was initiated in August 1996 and completed in February 1997. The *Construction Completion Report For The Interim Measure At Minmilt Remedial Site, East Farmingdale, New York (Construction Completion Report)* was submitted on July 24, 1997 under separate cover. Construction services were provided by Miller Environmental Group Inc. (MEG), Calverton, N.Y. with construction oversight performed by PWGC.

The Final Offsite RI has been completed, and the Record of Decision (ROD) has been signed, accepting the IRM as the final remedy. PWGC prepared a modified Operation Monitoring and Maintenance (OM&M) plan based upon the offsite RI and the ROD. A draft copy was forwarded to the NYSDEC for review. The NYSDEC reviewed the draft OM&M plan and prepared a comment letter. PWGC addressed the comments and submitted a second draft OM&M plan. Minmilt Realty Corp. signed a new Order on Consent on October 24, 2003 to address the continued monitoring of the site.

2.0 ROUTINE MONTHLY MONITORING AND QUARTERLY GROUNDWATER SAMPLING

In order to assess local groundwater quality, PWGC typically performs the following. This schedule was modified this reporting period, (see below):

- Monthly:
  - Collection of synoptic groundwater measurements from monitoring wells;
  - Collection of influent and effluent samples from the groundwater pump and treat system;
  - Maintenance/corrective actions.

- Quarterly:
  - Collection of groundwater samples from the monitoring wells which are located through the centerline of the plume and the Multi-Level Well;
  - Collection of influent and effluent samples from the groundwater pump and treat system;
  - Collection of influent samples from each individual extraction well;
  - Collection of influent samples from the SVE system;
- Annually:
  - Collection of groundwater samples from the active monitoring wells, the SCDHS monitoring well, and the Multi-Level Well;
  - Collection of influent and effluent samples from the groundwater pump and treat system;
  - Collection of influent samples from the SVE system.

Each of the previously mentioned activities is described in detail in further sections.

In September 2013, the transfer pump associated with the SVE system malfunctioned and required replacement. The replacement of the transfer pump was completed in October 2013 and did not inhibit the operation of the groundwater treatment system. However, during this time the SVE system was inoperable since the transfer pump removes water that accumulates in the moisture knockout drum in the shed. Additionally, the drum and transfer pump are used to transfer generated water from the groundwater sampling through the system so that it can be properly treated prior to discharge. Since the transfer pump / SVE system was inoperable, the groundwater sampling from the monitoring wells was postponed until the

transfer pump was replaced. Rather than collect two groundwater rounds in the 4th Quarter, PWGC requested that a combined 3rd and 4th Quarter 2013 event could be performed in November 2013. The NYSDEC approved this request. This report covers both the 3rd and 4th quarter monitoring.

3.0 MONITORING WELL MONITORING AND SAMPLING

During the third and fourth quarter 2013, PWGC obtained synoptic rounds of water levels on August 6, August, 28, September 19, October 28, November 15 and December 17, 2013 (**Table 1**) using an electric water level indicator. The water level readings from November 15, 2013, were used to generate a groundwater flow map (**Figure 1**). The groundwater contour shows groundwater flow to be in the south-southeast direction, which is typical for the site. Also shown on **Figure 1** are the estimated capture zones of the Upper Glacial Recovery Well #1 and the Magothy Recovery Well #2. As shown, the Magothy Recovery Well #2 capture zone encompasses the Magothy Recovery Well #1.

After obtaining the water level readings, PWGC sampled each of the monitoring wells and the multi-level well (**Figure 2**) as specified in the approved OM&M Program. The sampling was performed in accordance with the procedures outlined in the existing *March 1994 Quality Assurance Project Plan (QAPP)*.

Copies of the groundwater sampling data sheets associated with the fourth quarter 2013 sampling are contained in **Appendix A**. These sheets contain the field parameters recorded, depth to water measurements, and purge volumes for each well.

During this sampling round, one monitoring well, SP-5 was not sampled due to the presence of a dumpster on the top of the well.

The 2013 Fourth Quarter / Annual groundwater samples were analyzed for volatile organic compounds (VOCs) designated in the NYSDEC Effluent Limitations and Monitoring Requirements by EPA Method 8260, with results only deliverables.

The compounds quantified from the November 2013 groundwater sampling for each well are presented on **Table 2** (Groundwater sampling summary), **Table 3** (PCE History) and **Table 4** (Multi-Level Well). Analytical data sheets are contained in **Appendix A**.

On **Table 2**, one well was not sampled (SP-5), six wells showed non-detect results, eight wells showed results above their respective method detection limits but below their respective groundwater quality standard and two wells (SP-6 and SCDHS well) showed evidence of contaminants above groundwater standards.

PCE is the primary contaminant of concern associated with the spill at the Minmilt Realty Site. Elevated levels, of PCE above groundwater standards, was identified in one monitoring well (SCDHS – 5.3 µg/L) during this sampling period. Additionally, the breakdown product trichloroethylene (TCE), was detected at the highest concentrations in monitoring well SP-6 (26 µg/L). Each of these wells is located south of the recovery wells and outside the assumed plume area. Based upon their location, these contaminants are not likely related to the Minmilt site. The results are consistent with the low levels of contaminants that have been historically observed in the area. PWGC will continue to collect samples and evaluate results from these wells in future sampling rounds.

As shown on **Table 3**, overall the levels of PCE found within the wells have remained at non-detect / near non-detect levels for the site. PCE concentrations in MW-3, which historically contained the highest concentrations, was non-detect.

PWGC also incorporates the sampling of three select intervals of the multi-level well into the sampling program. As shown on **Table 4**, groundwater impacts identified at ML-1 consist of low levels of PCE, DCE and TCE above groundwater standards during the fourth quarter 2013. These results show a general decrease when compared to historic results. PWGC will continue to evaluate these results during future sampling rounds.

4.0 REMEDIAL SYSTEM REPAIR

Between September 2013 and October 2013 PWGC replaced the malfunctioning transfer pump associated with the SVE treatment system. Upon the installation of the transfer pump, the SVE system was placed back on the two week schedule.

No significant repairs were made to the groundwater treatment system during 2013.

Due to these issues, the combining of the third and fourth quarter 2013 sampling was approved by the NYSDEC.

5.0 GROUNDWATER REMEDIAL SYSTEM

Routine influent and effluent sampling during the time period of this report was conducted on August 6, August 28, September 19, October 28, November 15 and December 17, 2013. Individual influent samples from the Extraction Wells No. 1 (Upper Glacial), No. 2 (Magothy #1), and No. 4 (Magothy #2) were obtained during the August 28 and November 15, 2013 sampling rounds. The system results from these sampling rounds are included in the appropriate tables and calculations.

The system samples were also analyzed for VOCs and pH as required by the NYSDEC. Additionally, total iron of the system influent and system effluent was analyzed monthly to evaluate potential iron fouling problems of the air stripper packing. Routine sampling results were reported with results only deliverables.

Data pertaining to the groundwater remedial system sampling is summarized on **Table 5** (Remedial System Influent / Effluent Summary), **Table 6** (Groundwater System Mass Removal) and **Table 7** (Mass removal by individual extraction wells). Analytical data sheets are contained in **Appendix A.**

The compounds quantified from the routine groundwater influent and effluent sampling are presented on **Table 5**. As shown on **Table 5**, the combined influent concentrations ranged from 2,100 µg/L to 4,700 µg/L TVOC's. The average influent concentration during the third and fourth quarter 2013 was 3,000 µg/L, which is elevated when compared to results of the past few years due to the elevated concentrations identified in July (4,700 µg/L) and August (3,300 µg/L). The remaining influent sample results ranged from 2,100 µg/L to 2,700 µg/L, which were consistent with historic results for the site. Effluent samples for the third and fourth quarter 2013 sampling were within effluent limitations.

The average flow rate of the groundwater remedial system through the was 100 gpm. The influent concentrations from the individual extraction wells collected on August 28 and November 2013 and appeared consistent with recent results. Individual recovery well flow rates were as follows: Upper Glacial – 31 gpm, Magothy #1 – 22 gpm and Magothy #2 – 61 gpm. Due to low flow and the installation of Magothy Well #2, PWGC requested the shutdown of Magothy Extraction Well #1 during the past few sampling rounds. This request was approved in the 1st Quarter 2014 and will be discussed in the next report.

Table 5 also contains the total iron concentrations detected in both the combined system influent and effluent samples collected over the fourth quarter. The average of the influent iron and effluent iron concentrations are consistent with typical results for the site.

Copies of the appropriate groundwater remedial system monitoring/maintenance forms for the first quarter, and routine influent and effluent analytical data, are contained in **Appendix B**.

Groundwater remedial progress is monitored through quarterly groundwater and routine influent sampling. Analytical results are consistent with historic results for the subject property. The graphs of influent concentrations of PCE and TVOCs, **Figures 3** and **4**, respectively, graphically depict downward trends. The downward trend in these graphs is largely driven by the high initial concentrations of PCE and TVOCs and rapid decline in influent concentrations during the first few months of operation. Since January 2008, however, the influent concentrations appear to have reached a steady state with some minor month to month fluctuations in PCE and TVOC removal rates (**Figures 5** and **6**).

Mass removal calculations are used to determine the amount of contaminants removed by the remedial system. The mass removal calculations for the third and fourth quarter are based upon analytical results obtained from July 2013 through December 2013. **Table 6** depicts mass removal quantities of PCE and TVOC's for the groundwater remedial system through the end of the fourth quarter 2013. The current mass of PCE removed by the groundwater treatment system, as shown in **Table 6**, is approximately 32,901 pounds. This indicates that approximately 257 pounds of PCE were removed during the third and fourth quarter of 2013. These results are consistent with historic results and will continue to be monitored in the future.

Table 7 contains the contaminant mass removed from each individual aquifer based on routine individual aquifer sampling. As shown on **Table 7**, the TVOC's detected during the third quarter in the Upper Glacial, Magothy Extraction Well #2, and Magothy Extraction Well #4, were 7,000 µg/L, 1,600 µg/L and 2,300 µg/L, respectively. Additionally, the TVOC's detected during the fourth quarter in the Upper Glacial, Magothy Extraction Well #2, and Magothy Extraction Well #4, were 3,400 µg/L, 4,724 µg/L and 2,300 µg/L, respectively. The higher concentrations in the Upper Glacial well during the August 28, 2013 sampling appear to be an anomaly and have decreased to within typical concentrations for the site during the November 15, 2013 sampling.

Mass removal estimates for the Upper Glacial, Magothy #2, and Magothy #4 wells from June 24, 2013 through November 15, 2013 were approximately 316, 78, and 265 pounds of TVOC, respectively. These estimates are higher than typical for the site and are likely related to the elevated concentrations identified during the sampling performed in August 2013. The results from the November sampling appeared to be more consistent with typical site results. PWGC will continue to monitor these results during future sampling rounds.

6.0 SVE REMEDIAL SYSTEM

The transfer pump associated with the SVE system was repaired / replaced between September 19, 2013 and October 11, 2013. There were no other significant repairs made to the SVE remedial system during the third / fourth quarter 2013

6.1 SVE System Sampling

During the third quarter sampling event on September 19, 2013, PWGC collected a sample from the SVE system. This sample was collected prior to identifying the damage to the SVE knockout drum transfer pump. The fourth quarter SVE sample was collected during the event on November 15, 2013. The samples were collected using a Summa® vacuum canister (certified clean by the laboratory) connected directly to the sample port with polyethylene tubing. Once connected, the sample port and the Summa® canister were opened in order to collect a grab sample. The sample was analyzed for VOC's by EPA Method TO-15 with results only deliverables.

SVE results of TVOCs (**Table 8**) from the third quarter sampling (September 19, 2013 – 817 µg/m^3) and the fourth quarter sampling (November 15, 2013– 2,227 µg/m^3) indicate that the results have increased when compared to the second quarter 2013 (June 24, 2013 – 583 µg/m^3). The samples from the third and fourth quarter 2013 were collected one hour after SVE system restart. The elevated concentrations identified during the fourth quarter are likely related to the prolonged period of down time. PWGC will continue to assess thes results during the 1st quarter 2014 to see if they return to normal or if revisions to the SVE operations is warranted.

Similar to the groundwater system, soil quality remedial progress is monitored through routine air influent sampling and expressed as contaminant mass removal. **Table 9** depicts contaminant mass removal per quarter, as well as total contaminant mass removed for the duration of the project through the fourth quarter 2013.

As shown on **Table 9**, contaminant mass removed for the third quarter 2012 was approximately 1.63 pound and the fourth quarter 2013 was approximately 2.25 pounds. Based upon these calculations, 5,347 pounds (97% of the original mass released) have been removed by the SVE system.

The amount of VOCs extracted by the SVE system for the past few years has been relatively low. The average VOC removal obtained during the third quarter 2013 with both SVE wells operating was 0.0008 pounds per hour (lb/hr) and the fourth quarter 2013 with both SVE wells operating was 0.0016 pounds per hour (lb/hr) (see **Table 9**). Both of these removal rates are well below the emission guidance of 1.0 lb/hr.

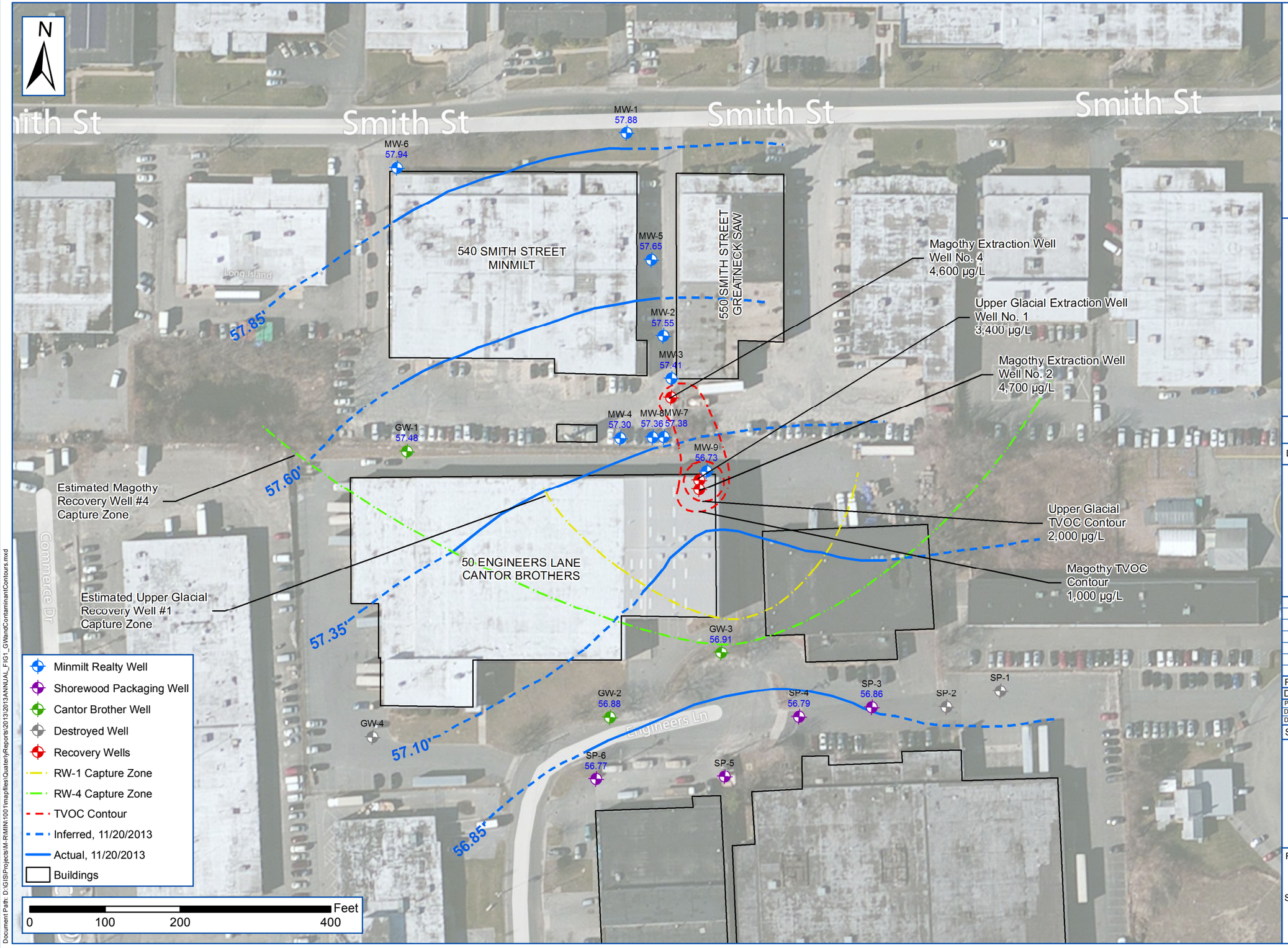
7.0 CONCLUSIONS AND RECOMMENDATIONS

The groundwater system continues to operate effectively. To date, the groundwater system has removed approximately 32,901 pounds of PCE and the SVE system has removed 5,347 pounds of contaminants.

During the time needed for the repair to the transfer pump associated with the SVE system, this system was shut down for approximately three to four weeks. The SVE concentrations were high following the shut-down. PWGC will re-assess these conditions during the 1st Quarter 2014 to see if the concentrations return to normal.

PWGC will attend a meeting with the NYSDEC to discuss site progress and future plans. PWGC will submit a work-plan in the 1st quarter 2014 to discuss supplemental sampling to assess the Magothy Well #2 area and potential modifications to the sampling schedule.

FIGURES



Document Path: D:\GIS\Projects\M-R\MIN1001\mapfiles\Quaterly\Reports\2013\2013ANNUAL_FIG1_GWandContaminantContours.mxd

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DRAWINGS PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

PROJECT:	MIN1001	APPROVED BY:	RWW
DESIGNED BY:	RWW	DATE:	1/7/2014
DRAWN BY:	BB	SCALE:	AS SHOWN

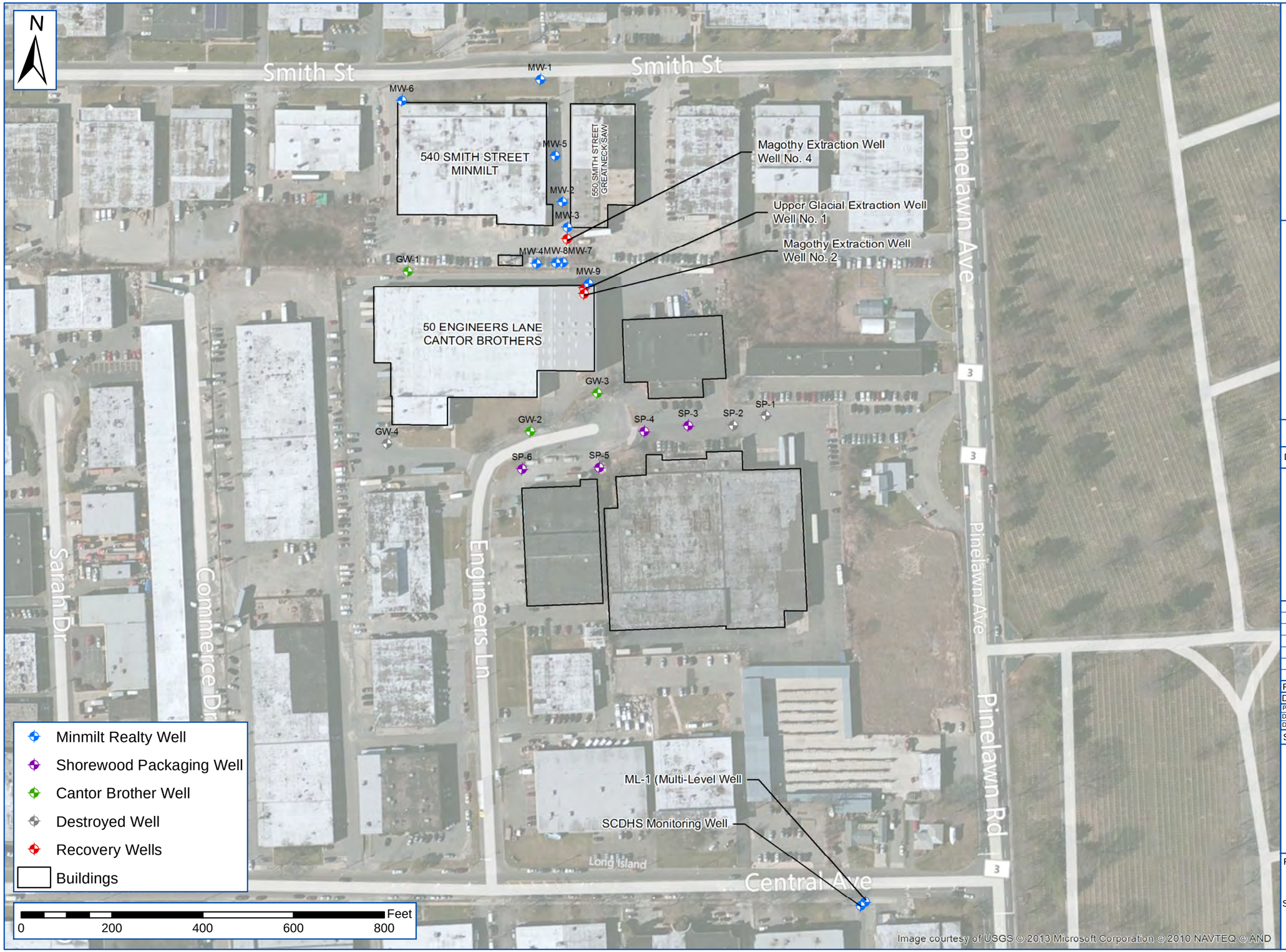
SHEET TITLE:

Groundwater Elevation & Contaminant Contours

2013 Annual Sampling Round - 11/15/2013
540 Smith Street
East Farmingdale, N.Y.

FIGURE NO: 1

SHEET:



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DRAWINGS PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

PROJECT:	MIN1001	APPROVED BY:	RWW
DESIGNED BY:	RWW	DATE:	04/08/2013
DRAWN BY:	BB	SCALE:	AS SHOWN

SHEET TITLE:

Well Locations

2nd Quarter 2013 Sampling Round - 6/24/2013
540 Smith Street
East Farmingdale, N.Y.

FIGURE NO: 2

SHEET:

Figure 3
Tetrachloroethylene Concentrations
Combined RW System Influent

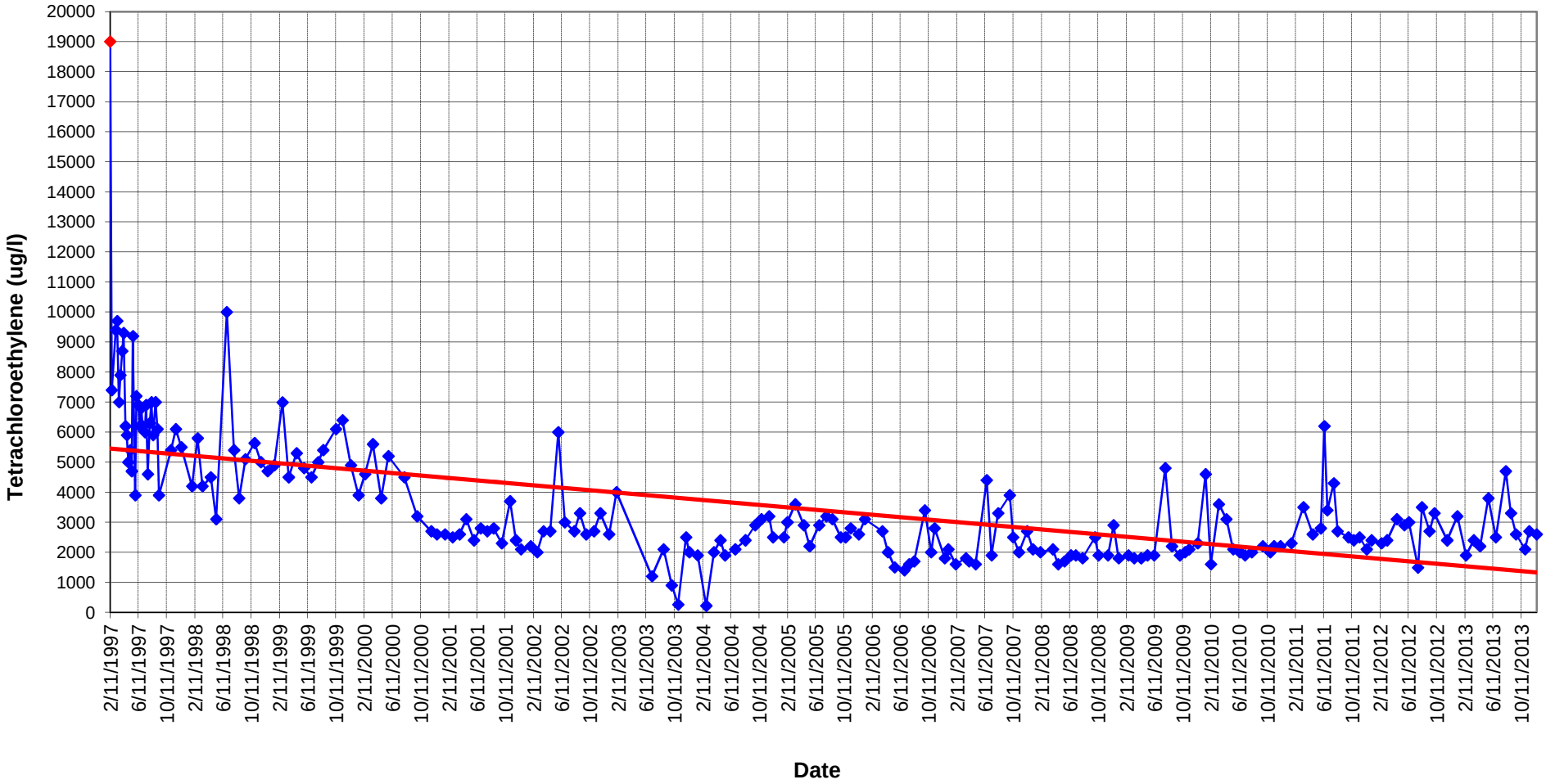


Figure 4
Total Volatile Organic Concentrations
Combined RW System Influent

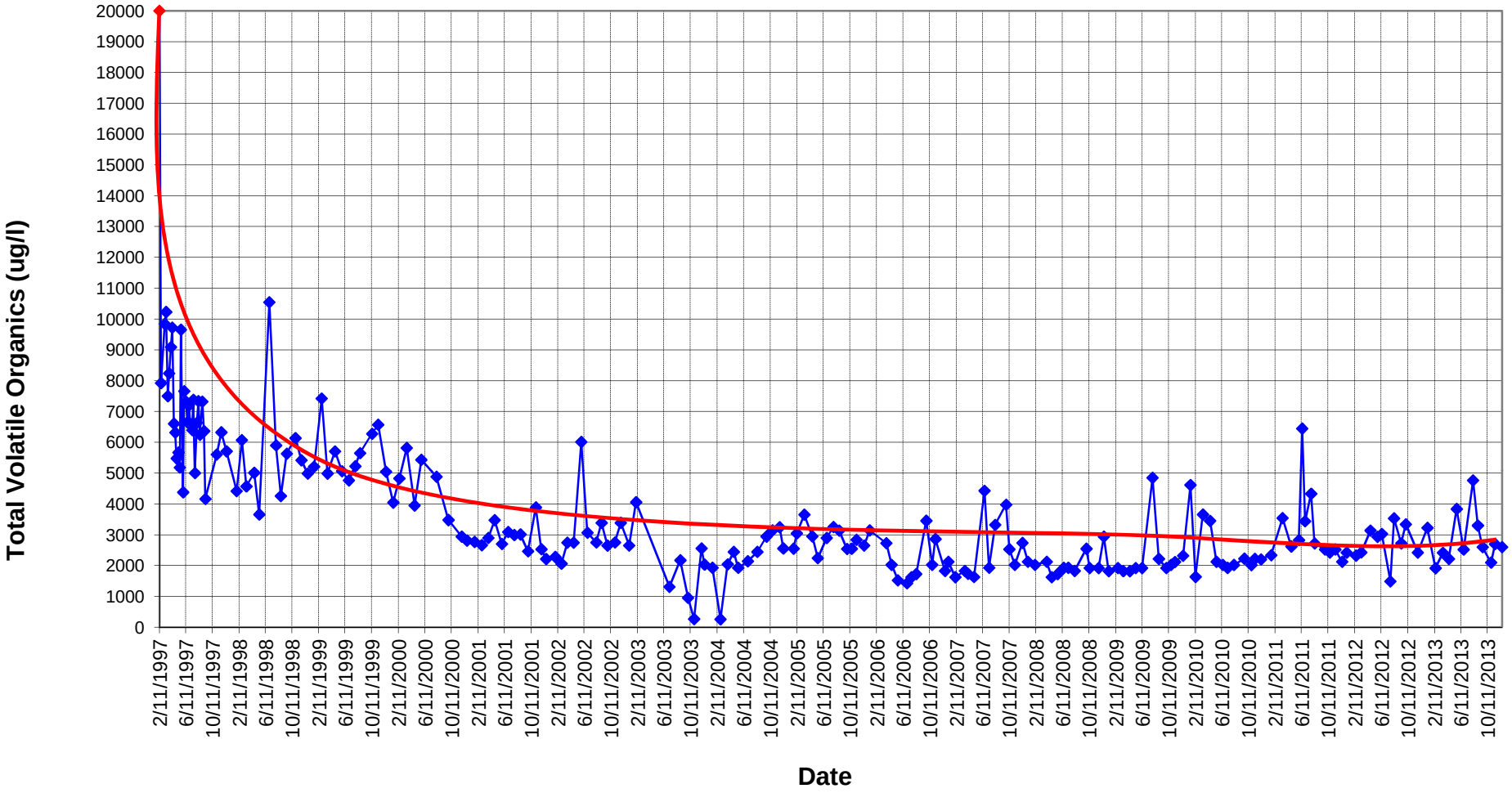


Figure 5
Tetrachloroethylene Removal Rates
January 2008 through December 2013
Combined RW System Influent

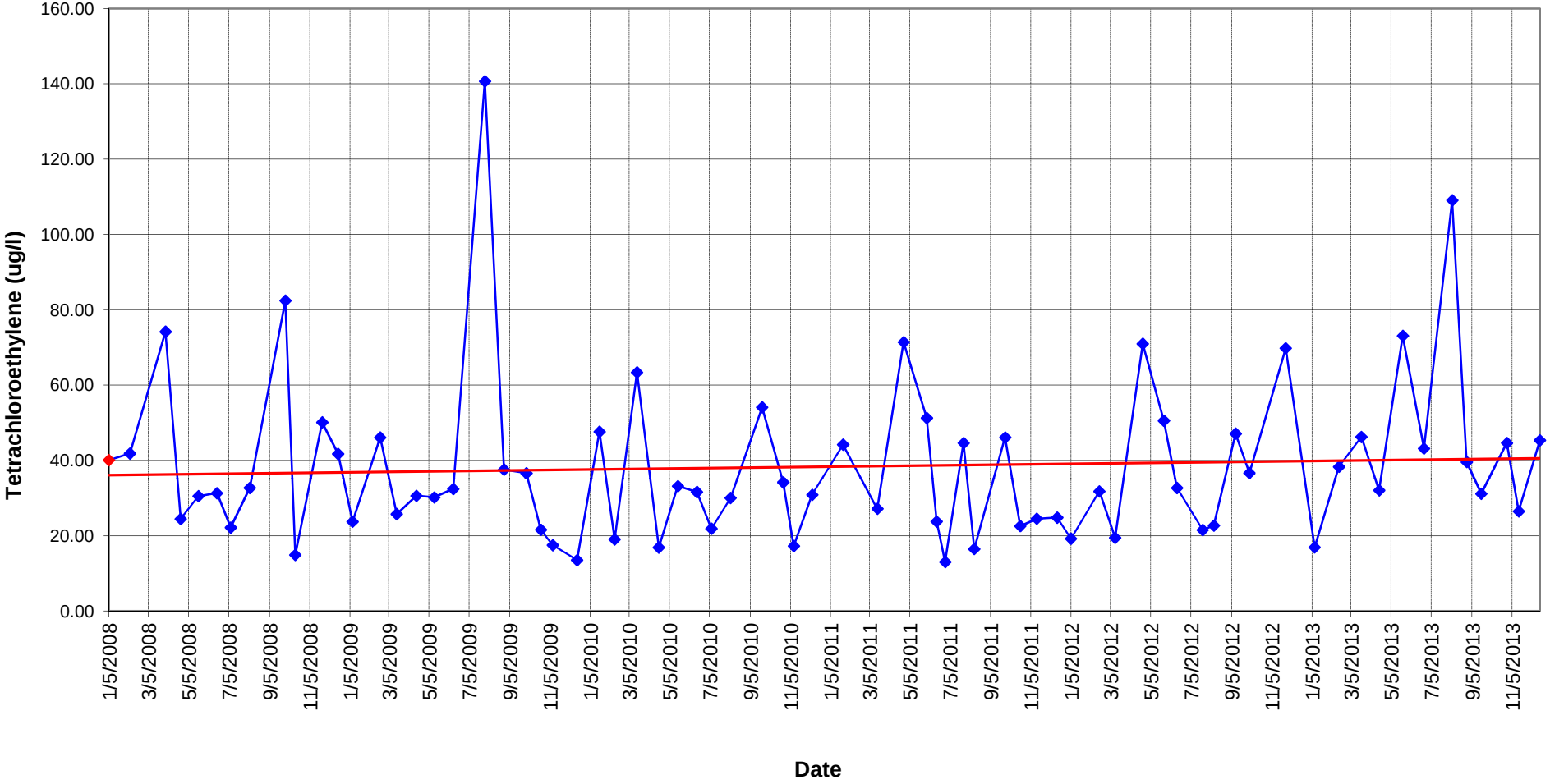
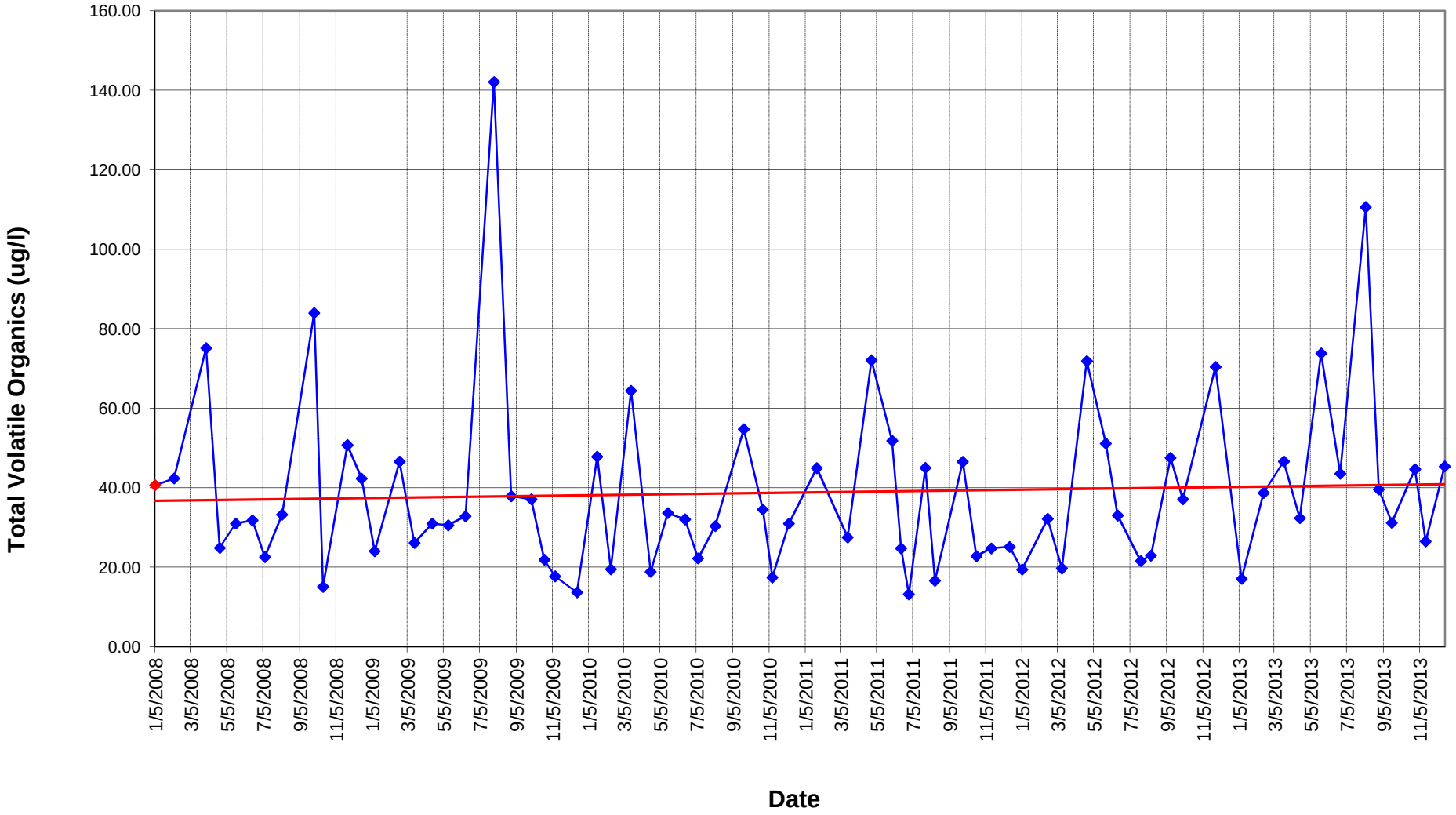


Figure 6
Total Volatile Organic Compound Removal Rates
January 2008 through December 2013
Combined RW System Influent



TABLES

TABLE 1
Fourth Quarter 2013 Groundwater Elevation Results

SOURCE	CASING ELEVATION	October 28, 2013		November 15, 2013		December 17, 2013	
		DTW	GWE	DTW	GWE	DTW	GWE
MW-1	99.22	41.38	57.84	41.34	57.88	41.15	58.07
MW-2	98.80	41.26	57.54	41.25	57.55	41.00	57.80
MW-3	98.08	40.65	57.43	40.67	57.41	40.49	57.59
MW-4	97.44	40.09	57.35	40.14	57.30	---	---
MW-5	99.12	41.46	57.66	41.47	57.65	41.23	57.89
MW-6	99.28	41.34	57.94	41.34	57.94	41.14	58.14
MW-7	98.09	40.72	57.37	40.71	57.38	---	---
MW-8	97.87	40.53	57.34	40.51	57.36	---	---
MW-9	95.93	39.31	56.62	39.20	56.73	39.05	56.88
SP-3	96.30	39.46	56.84	39.44	56.86	39.22	57.08
SP-4	97.71	40.99	56.72	40.92	56.79	40.85	56.86
SP-5	96.72	40.98	55.74	---	---	---	---
SP-6	99.68	42.87	56.81	42.91	56.77	42.74	56.94
GW-1	99.70	42.90	56.80	42.22	57.48	42.01	57.69
GW-2	100.30	42.20	58.10	43.42	56.88	43.24	57.06
GW-3	100.55	43.65	56.90	43.64	56.91	43.47	57.08
SCDHS	NS	---	---	38.00	---		---
Upper Glacial	91.94	---	---	---	---	---	---
Magothy	91.89	---	---	---	---	---	---

Notes:
GWE = Groundwater Elevation
DTW = Depth to Water
NS = Not Surveyed
NM = Not Monitored / Inaccessible

TABLE 2
Fourth Quarter 2013 Groundwater Sampling Results

PARAMETER	Units	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	NYSDEC G.W. Standards
1,1-Dichloroethene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1-Dichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Chloroform	µg/L	1.1	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Trichloroethylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Tetrachloroethene	µg/L	<1.0	<1.0	1.9	1.6	<1.0	1.1	<1.0	<1.0	1.9	5
Benzene	µg/L	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	0.4
1,2-Dichloroethene (total)	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Ethylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Toluene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5
Xylene (total)	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5
TVOC's	µg/L	1.1	1.2	1.9	1.6	0.0	1.1	0.0	0.0	1.9	

PARAMETER	Units	SP-3	SP-4	SP-5	SP-6	GW-1	GW-2	GW-3	SCDHS Well	NYSDEC G.W. Standards
1,1-Dichloroethene	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
1,1-Dichloroethane	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
Chloroform	µg/L	1.3	<1.0	NS	<1.0	<1.0	<1.0	<1.0	1.2	5
1,1,1-Trichloroethane	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
Trichloroethylene	µg/L	<1.0	<1.0	NS	**26**	<1.0	<1.0	<1.0	1.1	5
Tetrachloroethene	µg/L	1.3	2.4	NS	<1.0	<1.0	<1.0	<1.0	**5.3**	5
Benzene	µg/L	<0.7	<0.7	NS	<0.7	<0.7	<0.7	<0.7	<0.7	0.4
1,2-Dichloroethene (total)	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
Ethylbenzene	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
Toluene	µg/L	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	5
Xylene (total)	µg/L	<2.0	<2.0	NS	<2.0	<2.0	<2.0	<2.0	<2.0	5
TVOC's	µg/L	2.6	2.4	0.0	26.0	0.0	0.0	0.0	7.6	

Notes:
ND = Not Detected
NS = Not Sampled
BOLD Text denotes exceedance of G.W. Standard
G.W. Standards - Ambient Water Quality Standards or Guidance Values, 1993

TABLE 3
Monitoring Well History
PCE Concentrations

Sampling Date	MW-1 (µg/L)	MW-2 (µg/L)	MW-3 (µg/L)	MW-4 (µg/L)	MW-5 (µg/L)	MW-6 (µg/L)	MW-7 (µg/L)	MW-8 (µg/L)	MW-9 (µg/L)	SCDHS Well (µg/L)
12/31/92	**10**	**34,000**	**81,000**	**1,800**	**15,000**	**14**	**3,600**	**1,300**	**-**	-
07/06/95	-	-	**140,000**	-	-	**13**	-	**1,200**	**60**	-
12/16/96	**23**	**5,400**	NS	**2,300**	**3,400**	1	**7,200**	**130**	**15**	NS
03/17/97	3	**6,500**	NS	**1,100**	**1,000**	4	**3,500**	**500**	**17**	NS
06/24/97	1	**8,900**	**32,000**	**47**	**210**	3	**150**	**73**	**15**	NS
09/23/97	**56**	**13,000**	**>10,000**	**25**	**140**	**33**	**39**	**17**	**28**	NS
12/15/97	<1	**10,000**	**92,000**	**15**	49	<1	**33**	**6**	**28**	NS
03/17/98	**12**	**7,200**	**34,000**	**68**	**7**	2	**18**	**13**	**18**	NS
09/17/98	2	**3,400**	**38,000**	**70**	**8**	2	**14**	2	NS	NS
12/22/98	3	**2,000**	**51,000**	**6**	**5**	3	**34**	3	NS	NS
03/17/99	<1	**870**	**29,000**	NS	3	4	**160**	**56**	**35**	NS
06/30/99	**22**	**240**	**25,000**	NS	2	4	2	<1	**15**	**62**
10/13/99	<1	**210**	**26,000**	<1	1	4	**870**	<1	**10**	NS
12/23/99	4	**270**	**83,000**	<1	<1	**5**	**990**	3	1	**1,400**
03/21/00	<1	**110**	**12,000**	<1	<1	4	**1,700**	4	2	**170**
08/04/00	<1	**51**	**10,000**	<1	<1	1	**10**	<1	<1	**170**
12/21/00	<1	**35**	**820**	**16**	<1	2	3	3	<1	NS
03/30/01	<1	**24**	**2,100**	NS	4	<1	2	**36**	<1	**81**
06/29/01	<1	1	**1,000**	1.5	<1	NS	ND	1.1	ND	**5**
09/28/01	<1	**13**	**410**	2	<1	2	4	<1	1	**20**
12/19/01	<1	3	**4,800**	2	<1	2	4	1	2	**22**
03/27/02	**6**	**10**	**9,600**	4	3	4	3	2	**16**	**16**
06/27/02	2	**6**	**270**	<1	2	2	3	2	2	**9**
09/27/02	3	3	**1,700**	NS	**5**	1	NS	<1	<1	**17**
12/31/03	<1	3	**1,800**	NS	2	<1	3	**34**	<1	**9**
07/08/03	3	**13**	**970**	**5**	7	2	1	1	2	**9**
09/30/03	3	<1	**340**	**7**	<1	2	3	<1	**22**	**7**
12/15/03	<1	2	**75**	NS	<1	1	NS	NS	**31**	**7**
03/30/04	<1	2	**30**	1	<1	2	2	<1	**6**	**6**
06/30/04	<1	2	**19**	1	<1	2	NS	2	**10**	**7**
09/21/04	<1	3	<1	3	<1	2	2	NS	<1	**6**
12/10/04	<1	2	<1	NS	<1	2	NS	NS	3	9
03/16/05	<1	3	2	3	<1	NS	3	<1	5	NS
06/27/05	<1	2	2	**5**	<1	NS	3	3	2	NS
09/28/05	<1	2	1	1	<1	NS	2	**10**	**9**	NS
12/15/05	<1	1	4	<1	<1	NS	ND	1	ND	NS
03/27/06	<1	1.1	3.7	<1	<1	NS	ND	1.1	ND	NS
06/30/06	<1	1.0	2.0	3.0	<1	NS	<1	1.0	NS	NS
09/26/06	ND	1.1	3.7	1.5	ND	NS	ND	1.1	ND	NS
12/21/06	ND	1.0	4.0	4.0	ND	ND	2.0	ND	**26.0**	**8.0**
03/22/07	ND	2.0	5.0	3.0	ND	NS	ND	ND	1.0	NS
06/20/07	ND	1.0	**9.0**	ND	ND	NS	ND	**16.0**	3.0	NS
09/27/07	ND	2.0	**8.0**	ND	ND	NS	ND	ND	1.0	NS
12/11/07	ND	1.0	**7.0**	2.0	ND	2.0	ND	ND	2.0	**5.0**
03/31/08	ND	1.0	5.0	2.0	ND	NS	ND	ND	ND	NS
06/17/08	ND	1.0	5.0	2.0	ND	NS	1.0	ND	ND	NS
09/29/08	ND	ND	**7.0**	3.0	ND	NS	1.0	ND	1.0	NS
12/18/08	2.0	1.0	5.0	ND	ND	2.0	1.0	ND	ND	**5.0**
03/17/09	ND	2.0	5.0	ND	ND	NS	ND	ND	NS	NS
06/11/09	0.0	1.0	**7.0**	0.0	0.0	NS	0.0	0.0	ND	NS
09/30/09	ND	1.0	**11.0**	2.0	ND	NS	ND	ND	ND	NS
12/16/09	ND	1.0	**5.0**	1.0	ND	ND	1.0	ND	ND	**5.0**
03/17/10	ND	1.0	3.0	2.0	ND	NS	ND	ND	**16.0**	NS
06/16/10	ND	1.0	4.0	ND	ND	NS	1.0	ND	1.0	NS
09/23/10	ND	1.0	4.0	1.0	ND	NS	ND	ND	**18.0**	NS
12/09/10	ND	ND	3.0	2.0	ND	ND	2.0	ND	3.0	3.0
03/17/11	ND	ND	3.0	ND	ND	NS	ND	ND	**11.0**	NS
06/15/11	ND	ND	4.0	ND	ND	NS	1.0	ND	ND	NS
09/27/11	ND	ND	3.0	2.0	ND	NS	2.0	ND	3.0	NS
12/15/11	ND	ND	3.0	ND	ND	ND	ND	ND	2.0	3.0
03/12/12	ND	ND	5.0	**8.0**	ND	NS	ND	2.0	NS	NS
06/14/12	ND	ND	2.0	NS	ND	NS	ND	ND	**18.0**	**7.0**
09/11/12	ND	ND	**6.0**	1.4	2.6	NS	1.6	ND	1.4	NS
01/09/13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/21/13	ND	ND	1.4	ND	ND	NS	ND	ND	ND	ND
06/24/13	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND
09/19/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/15/13	ND	ND	1.9	1.6	ND	1.1	ND	ND	1.9	**5.3**

Notes:
NS = Not Sampled
ND = Not Detected

TABLE 3
Monitoring Well History
PCE Concentrations

Sampling Date	GW-1 (µg/L)	GW-2 (µg/L)	GW-3 (µg/L)	SP-3 (µg/L)	SP-4 (µg/L)	SP-5 (µg/L)	SP-6 (µg/L)
12/16/96	**340**	**110**	**1,800**	**3,900**	**11,000**	**1,300**	3
03/17/97	1	**42**	**350**	**1,000**	**15,000**	**610**	**36**
06/24/97	**60**	**190**	**46**	**120**	**1,100**	**78**	**10**
09/23/97	4	4	**9**	**28**	**360**	**7**	**39**
12/15/97	**6**	**11**	**23**	**15**	**110**	**9**	1
03/17/98	**7**	4	**27**	**15**	**57**	4	<1
12/22/98	4	4	**59**	NS	NS	NS	NS
03/17/98	2	**17**	**12**	NS	NS	NS	NS
06/30/99	<1	**15**	**8**	NS	NS	NS	NS
10/13/99	<1	**88**	**9**	**10**	**280**	**86**	<1
12/23/99	<1	**37**	3	2	**3,700**	**51**	3
03/21/00	<1	**53**	**6**	2	**6,400**	**35**	4
08/04/00	**10**	**54**	**61**	2	**1,100**	**150**	1
12/21/00	<1	2	**16**	2	**25**	NS	<1
03/30/01	<1	<1	3	2	**15**	NS	NS
06/29/01	<1	<1	<1	ND	ND	NS	NS
09/28/01	<1	NS	**47**	2	3	NS	<1
12/19/01	4	4	**15**	**6**	4	**30**	2
03/27/02	3	**5**	**5**	4	**5**	**13**	<1
06/27/02	2	**11**	**3**	2	NS	NS	NS
09/27/02	1	**9**	**23**	2	NS	NS	NS
12/31/03	2	**10**	3	3	4	**20**	<1
07/08/03	2	**6**	4	3	**5**	3	<1
09/30/03	3	2	**11**	1	**6**	NS	1
12/15/03	<1	2	**16**	3	**7**	NS	**8**
03/30/04	<1	<1	4	<1	**5**	NS	<1
06/30/04	<1	2	NS	<1	4	3	<1
09/21/04	<1	2	4	2	4	**5**	<1
12/10/04	<1	2	2	3	4	4	<1
03/16/05	NS	NS	2	1	3	NS	NS
06/27/05	NS	NS	2	ND	3	2	NS
09/28/05	NS	NS	2	2	2	3	NS
12/15/05	<1	NS	4	1	**11**	**16**	NS
03/27/06	<1	NS	4.0	1.3	**11.0**	**16.0**	NS
06/30/06	NS	NS	<1	NS	NS	**21.0**	<1
09/26/06	NS	NS	4.0	1.3	11.0	**16.0**	NS
12/21/06	ND	2.0	**6.0**	2.0	**7.0**	**23.0**	1.0
03/22/07	NS	NS	2.0	ND	4.0	**14.0**	NS
06/20/07	NS	NS	1.0	ND	2.0	NS	NS
07/27/07	NS	NS	ND	3.0	2.0	2.0	NS
12/11/07	ND	4.0	**7.0**	2.0	4.0	NS	10
03/31/08	NS	NS	3.0	1.0	3.0	**6.0**	NS
06/17/08	NS	NS	2.0	ND	3.0	2.0	NS
09/29/08	NS	NS	3.0	2.0	3.0	**5.0**	NS
12/18/08	1.0	3.0	2.0	2.0	4.0	**5.0**	**8.0**
03/17/09	NS	NS	NS	ND	2.0	2.0	1.0
06/11/09	NS	NS	0.0	0.0	0.0	0.0	NS
09/30/09	NS	NS	1.0	ND	2.0	2.0	NS
12/16/09	1.0	2.0	2.0	ND	2.0	4.0	**9.0**
03/17/10	NS	NS	2.0	ND	2.0	3.0	NS
06/16/10	NS	NS	ND	ND	3.0	1.0	NS
09/23/10	NS	NS	ND	2.0	3.0	NS	NS
12/09/10	ND	ND	1.0	3.0	4.0	4.0	**18.0**
03/17/11	NS	NS	2.0	ND	2.0	2.0	NS
06/15/11	NS	NS	ND	ND	2.0	1.0	NS
09/27/11	NS	NS	2.0	2.0	2.0	2.0	NS
12/15/11	ND	ND	1.0	2.0	3.0	2.0	**9.0**
03/12/12	NS	NS	3.0	2.0	3.0	1.0	NS
06/14/12	NS	NS	ND	NS	ND	2.0	1.0
09/11/12	NS	NS	1.4	2.0	1.6	2.9	NS
01/09/13	**12.0**	ND	ND	ND	ND	ND	**15.0**
03/21/13	NS	NS	ND	ND	ND	ND	NS
06/24/13	ND	ND	ND	ND	1	ND	**17**
09/19/13	NS	NS	NS	NS	NS	NS	NS
11/15/13	ND	ND	ND	1.3	2.4	NS	ND

Notes:
NS = Not Sampled
ND = Not Detected
* Monitorng Well SP-1 is no longer accessible to sample. It has been covered over with asphalt when the facility re-paved the parking lot during the end of the second quarter 2005.
* Monitorng Well SP-2 is no longer accessible to sample. It has been covered over with asphalt when the facility re-paved the parking lot during the middle of the second quarter 2010.
* Monitorng Well GW-4 is no longer accessible to sample. It has been destroyed by vehicular traffic during the middle of the third quarter 2010.

TABLE 4
Multi-Level Well
Historical Sampling Results

		August-00			December-00			March-01			June-01			September-01			December-01			March-02		
Well	Interval	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
L	39.5-40	26	ND	NS	NS	NS	NS	NS	NS	NS	25	4	<2	NS	NS	NS	NS	NS	NS	NS	NS	NS
K	49.5-50	36	1	NS	NS	NS	NS	NS	NS	NS	2	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
J	59.5-60	50	2	NS	NS	NS	NS	NS	NS	NS	2	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
I	69.5-70	36	ND	NS	NS	NS	NS	NS	NS	NS	4	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
H	79.5-80	20	ND	NS	NS	NS	NS	NS	NS	NS	5	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
G	89.5-90	14	ND	NS	NS	NS	NS	NS	NS	NS	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
F	99.5-100	10	ND	NS	NS	NS	NS	NS	NS	NS	4	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
E	109.5-110	17	ND	NS	NS	NS	NS	NS	NS	NS	8	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
D	119.5-120	6	ND	NS	NS	NS	NS	NS	NS	NS	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS	NS
C	129.5-130	18	ND	NS	3	<1	<1	3	<1	2	19	4	<1	5	1	9	6	2	4	4	<1	3
B	139.5-140	1100	16	NS	28	<1	2	27	2	4	15	5	<1	10	3	130	10	3	100	11	<1	66
A	149.5-150	4400	180	NS	90	15	120	290	2	130	90	6	<1	28	71	240	59	24	240	51	14	200

		June-02			September-02			December-02			July-03			September-03			December-03			March-04		
Well	Interval	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	3	<1	3	2	<1	3	5	1	4	4	<1	2	<1	2	1	3	<1	2	2	<1	6
B	139.5-140	4	<1	60	5	1	49	13	2	23	4	1	24	4	<1	20	4	1	16	4	<1	15
A	149.5-150	19	3	110	21	4	94	7	7	180	9	1	150	5	1	120	6	2	100	6	<1	80

		June-04			September-04			December-04			March-05			June-05			September-05			December-05		
Well	Interval	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	1	<1	9	2	<1	19	<1	<1	11	4	1	46	<1	<1	15	4	2	70	1	<1	44
B	139.5-140	5	<1	8	7	<1	5	4	<1	4	10	<1	5	5	<1	4	10	<1	2	12	<1	6
A	149.5-150	6	<1	11	10	<1	7	36	<1	14	39	11	360	15	3	36	18	3	13	12	5	120

		March-06			June-06			September-06			December-06			March-07			June-07			September-07		
Well	Interval	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	1.5	<1	49	<1	<1	19	<1	<1	19	4	1	14	3	<1	16	<1	<1	7	4	1	15
B	139.5-140	13	1	4.8	5	<1	4	5	<1	4	13	1	6	51	2	6	5	<1	4	28	1	4
A	149.5-150	55	31	210	11	5	54	13	3.7	33	19	2	9	14	2	27	13	3	16	17	2	7

		December-07			March-08			June-08			September-08			December-08			March-09			June-09		
Well	Interval	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	2.0	ND	11	1.0	ND	11	2.0	ND	11	7.0	3	17	1.0	2.0	10	12.0	7.0	7	ND	3	13
B	139.5-140	16	1.0	5.0	16	1.0	6.0	7	ND	3.0	14	1.0	6.0	13	3.0	7.0	9	5.0	7.0	3	18	37
A	149.5-150	15	1.0	5.0	15	1.0	4.0	12	3.0	10.0	14	1.0	4.0	10	3.0	9.0	ND	3.0	16.0	7	27	11

		September-09			December-09			March-10			June-10			September-10			December-10			March-11		
Well	Interval	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	ND	2	17	<1	2	22	<1	6	65	<1	<1	33	<1	1	25	<1	2	50	<1	3	45
B	139.5-140	2	15	110	2	13	97	12	32	200	1	11	120	3	39	89	8	36	78	7	31	34
A	149.5-150	5	37	24	3	38	21	4	29	43	4	22	11	170	98	95	3	14	30	3	13	7

		June-11			September-11			December-11			March-12			June-12			September-12			January-13		
Well	Interval	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	ND	ND	16	ND	1	42	ND	ND	3	ND	ND	19	ND	ND	13	ND	ND	18	ND	ND	18
B	139.5-140	1	12	69	2	26	100	5	36	130	2	12	120	1	14	82	ND	9.2	120	ND	7.0	150
A	149.5-150	3	11	40	3	9	22	13	15	46	5	7	81	3	6	67	1.4	6.2	76	ND	6.6	100

		March-13			June-13			November-13		
Well	Interval	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
C	129.5-130	ND	ND	21	ND	ND	13	ND	1.4	37
B	139.5-140	ND	5.5	120	ND	7.2	110	ND	4.4	110
A	149.5-150	3.3	5.5	53	ND	6.9	35	1.2	5.4	41

Notes:

ND = Not Detected

NS = Not Samlped

Intervals D (119.5 - 120) through L (39.5-40) have not been sampled since June 2001 where the concentrations have shown non-detect or near non-detect results.

TABLE 5
Groundwater Remedial System
Third and Fourth Quarter 2013
Routine Influent Effluent Sample Results

Parameters	Units	August 6, 2013 (July 2013)		August 28, 2013					September 19, 2013			
		Combined System Influent	Combined System Effluent	Combined System Influent	Upper Glacial Influent	Magothy Influent RW#2	Magothy Influent RW#4	Combined System Effluent	Combined System Influent	Upper Glacial Influent	Combined System Effluent	NYSDEC Effluent Limitations
Iron as Fe	mg/L	1.85	1.7	0.18	0.17	0.57	0.29	0.03	0.39	0.51	0.3	NS
pH (Lab)	n/a	5.6	7.3	5.5	5.5	5.6	5.6	7.3	5.4	5.5	7.2	5.5-8.5
Toluene	µg/L	<20	<1.0	<40	<40	<40	<40	<1.0	<20	<40	<1.0	5
m + p Xylene	µg/L	<40	<2.0	<80	<80	<80	<80	<2.0	<40	<80	<2.0	5
1,1-Dichloroethene	µg/L	<20	<1.0	<40	<40	<40	<40	<1.0	<20	<40	<1.0	5
Chloromethane	µg/L	<20	<1.0	<40	<40	<40	<40	<1.0	<20	<40	<1.0	5
Chloroform	µg/L	<20	<1.0	<40	<40	<40	<40	<1.0	<20	<40	<1.0	7
1,1,1-Trichloroethane	µg/L	<20	<1.0	<40	<40	<40	<40	<1.0	<20	<40	<1.0	5
1,2-Dichloroethene (total)	µg/L	<20	<1.0	<40	<40	<40	<40	<1.0	<20	<40	<1.0	5
Tetrachloroethene	µg/L	4,700	4.4	3,300	7,000	1,600	2,300	<1.0	2,600	4,900	<1.0	5
Trichloroethylene	µg/L	66	<1.0	<40	<40	<40	<40	<1.0	<20	<40	<1.0	5
TVOC's	µg/L	4,766	4.4	3,300	7,000	1,600	2,300	0.0	2,600	4,900	0.0	

Parameters	Units	October 28, 2013		November 15, 2013					December		
		Combined System Influent	Combined System Effluent	Combined System Influent	Upper Glacial Influent	Magothy Influent RW#2	Magothy Influent RW#4	Combined System Effluent	Combined System Influent	Combined System Effluent	NYSDEC Effluent Limitations
Iron as Fe	mg/L	0.32	0.13	0.47	0.26	0.41	0.82	0.06	0.62	0.05	NS
pH (Lab)	n/a	5.0	6.8	5.5	5.4	5.3	5.3	7.1	5.5	7.1	5.5-8.5
Toluene	µg/L	<20	<1.0	<40	<40	<20	<40	<1.0	<20	<1.0	5
m + p Xylene	µg/L	<40	<2.0	<80	<80	<40	<80	<2.0	<40	<2.0	5
1,1-Dichloroethene	µg/L	<20	<1.0	<40	<40	<20	<40	<1.0	<20	<1.0	5
Chloromethane	µg/L	<20	<1.0	<40	<40	<20	<40	<1.0	<20	<1.0	5
Chloroform	µg/L	<20	<1.0	<40	<40	<20	<40	<1.0	<20	<1.0	7
1,1,1-Trichloroethane	µg/L	<20	<1.0	<40	<40	<20	<40	<1.0	<20	<1.0	5
1,2-Dichloroethene (total)	µg/L	<20	<1.0	<40	<40	<20	<40	<1.0	<20	<1.0	5
Tetrachloroethene	µg/L	2,100	<1.0	2,700	3,400	4,700	4,600	<1.0	2,600	<1.0	5
Trichloroethylene	µg/L	<20	<1.0	<40	<40	24	<40	<1.0	<20	<1.0	5
TVOC's	µg/L	2,100	0.0	2,700	3,400	4,724	4,600	0.0	2,600	0.0	

ND = Not Detected

TABLE 6
Groundwater Remedial System
Contaminant Mass Removal

Sampling Date	Days of Operation	Average flow rate	tetrachloroethene (µg/l)	mass removed (kg)	Total VOC's (µg/l)	mass removed (kg)
2/11/1997	7	190	19000	137.75	20000	145.00
2/18/1997	12	190	7400	91.97	7924	98.48
3/7/1997	6	190	9400	58.41	9840	61.15
3/13/1997	6	190	9700	60.28	10229	63.56
3/21/1997	8	190	7000	58.00	7503	62.17
3/27/1997	6	190	7900	49.09	8240	51.20
4/4/1997	8	206	8700	78.15	9090	81.66
4/10/1997	6	206	9300	62.66	9722	65.50
4/18/1997	8	206	6200	55.70	6605	59.33
4/24/1997	6	206	5900	39.75	6321	42.59
4/30/1997	6	206	5000	33.69	5478	36.91
5/9/1997	9	206	5400	54.57	5670	57.30
5/15/1997	6	206	4700	31.67	5180	34.90
5/20/1997	5	206	9200	51.65	9653	54.20
5/30/1997	10	206	3900	43.79	4380	49.18
6/4/1997	5	206	7200	40.42	7660	43.01
6/13/1997	9	206	6900	69.73	7311	73.89
6/19/1997	6	206	6200	41.77	6654	44.83
6/25/1997	6	206	6800	45.81	7193	48.46
7/2/1997	7	220	6200	52.05	6599	55.40
7/11/1997	9	220	6000	64.76	6395	69.02
7/16/1997	5	220	6900	41.37	7383	44.27
7/23/1997	7	220	4600	38.61	5005	42.01
8/1/1997	9	220	6300	68.00	6637	71.63
8/8/1997	7	220	7,000	58.76	7341	61.62
8/15/1997	7	220	5900	49.53	6243	52.41
8/26/1997	11	220	7000	92.34	7322	96.59
9/3/1997	7	220	6100	51.21	6365	53.43
9/9/1997	6	220	3900	28.06	4165	29.97
10/31/1997	52	220	5400	336.74	5604	349.46
11/21/1997	21	220	6100	153.62	6325	159.29
12/15/1997	45	220	5500	296.81	5711	308.19
1/30/1998	46	190	4200	200.10	4,420	210.58
2/23/1998	24	190	5,800	144.17	6,072	150.93
3/16/1998	20	190	4,200	87.00	4,571	94.68
4/21/1998	29	220	4,500	156.50	5,010	174.23
5/14/1998	22	220	3,100	81.79	3,659	96.53
6/29/1998	46	220	10,000	551.64	10,547	581.82
7/30/1998	31	220	5,400	200.75	5,900	219.34
8/21/1998	22	220	3,800	100.25	4,260	112.39
9/17/1998	28	220	5,100	171.25	5,631	189.08
10/27/1998	40	220	5,636	270.37	6,137	294.36
11/23/1998	27	220	5,000	161.89	5,420	175.49
12/22/1998	36	220	4,700	202.91	4,990	215.43
1/20/1999	29	220	4,900	170.41	5,211	181.22
2/24/1999	35	220	6,991	293.43	7,420	311.46
3/23/1999	27	220	4,500	145.71	4,990	161.57
4/26/1999	34	220	5,300	216.10	5,710	232.82
5/28/1999	32	220	4,800	184.20	5,065	194.37
6/29/1999	32	220	4,500	172.69	4,766	182.90
7/28/1999	29	168	5,000	132.79	5,225	138.76
8/19/1999	22	168	5,400	108.79	5,651	113.85
10/13/1999	55	120	6,100	219.46	6,277	225.82
11/10/1999	12	120	6,400	50.24	6,571	51.58
12/16/1999	33	120	4,900	105.77	5,044	108.88
1/18/2000	21	120	3,900	53.57	4,047	55.59
2/15/2000	26	120	4,600	78.23	4,828	82.11
3/20/2000	28	120	5,600	102.57	5,817	106.54
4/25/2000	34	150	3,800	105.64	3,953	109.89
5/26/2000	31	150	5,200	131.81	5,433	137.71
8/3/2000	55	170	4,500	229.35	4,886	249.02
9/27/2000	55	170	3,200	163.09	3,480	177.36
11/27/2000	60	170	2,700	150.12	2,940	163.46
12/21/2000	24	170	2,600	57.82	2,817	62.65
1/25/2001	35	180	2,600	89.29	2,768	95.06
2/27/2001	33	180	2,500	80.95	2,665	86.29
3/29/2001	26	180	2,600	66.33	2,901	74.01
4/27/2001	29	180	3,100	88.21	3,475	98.88
5/30/2001	33	180	2,400	77.71	2,703	87.52
6/28/2001	28	180	2,800	76.92	3,091	84.92
7/26/2001	29	180	2,700	76.83	2,990	85.08
8/23/2001	28	180	2,800	76.92	3,013	82.78
9/27/2001	35	180	2,300	78.98	2,465	84.65
11/2/2001	36	180	3,700	130.69	3,888	137.33
11/27/2001	25	180	2,400	58.87	2,530	62.06
12/19/2001	22	180	2,100	45.33	2,215	47.81
1/30/2002	42	180	2,200	90.66	2,283	94.08
2/27/2002	23	180	2,000	45.13	2,064	46.58
3/26/2002	27	180	2,700	71.53	2,748	72.80
4/24/2002	29	180	2,700	76.83	2,747	78.16
5/29/2002	30	180	6,000	176.61	6,013	176.99
6/26/2002	26	180	3,000	76.53	3,069	78.29
8/6/2002	40	180	2,700	105.97	2,751	107.97
8/30/2002	24	180	3,300	77.71	3,388	79.78
9/26/2002	27	180	2,600	68.88	2,653	70.28
10/30/2002	34	180	2,700	90.07	2,751	91.77
11/26/2002	16	180	3,300	51.81	3,388	53.19
1/3/2003	28	100	2,600	39.68	2,653	40.49
2/4/2003	21	100	4,000	45.79	4,057	46.44
7/7/2003	56	160	1,200	58.61	1,310	63.98
8/26/2003	48	160	2,100	87.91	2,173	90.97
9/30/2003	35	160	900	27.47	955	29.15
10/28/2003	28	160	260	6.35	266	6.50
12/1/2003	28	160	2,500	61.05	2,557	62.44
12/15/2003	14	160	2,000	24.42	2,033	24.82
1/20/2004	36	160	1,900	59.66	1,932	60.66
2/26/2004	37	160	220	7.10	259	8.36
3/30/2004	33	160	2,000	57.56	2,045	58.86
4/27/2004	28	160	2,400	58.61	2,446	59.73
5/17/2004	20	160	1,900	33.14	1,928	33.63
6/30/2004	44	160	2,100	80.59	2,142	82.20
8/13/2004	44	150	2,400	86.34	2,446	88.00
9/24/2004	42	150	2,900	99.59	2,945	101.14
10/21/2004	27	150	3,100	68.44	3,143	69.39
11/23/2004	33	150	3,200	86.34	3,243	87.50
12/10/2004	17	150	2,500	34.75	2,556	35.53
1/26/2005	47	60	2,500	38.43	2,550	39.20
2/10/2005	15	60	3,000	14.72	3,047	14.95
3/16/2005	34	60	3,600	40.03	3,654	40.63
4/22/2005	37	60	2,900	35.09	2,949	35.69
5/17/2005	25	60	2,200	17.99	2,245	18.36
6/27/2005	41	60	2,900	38.89	2,900	38.89
7/28/2005	31	65	3,200	35.15	3,256	35.76
8/23/2005	26	65	3,100	28.56	3,139	28.92
9/28/2005	36	65	2,500	31.89	2,544	32.45
10/19/2005	21	63	2,500	18.03	2,548	18.38
11/10/2005	22	63	2,800	21.15	2,840	21.46
12/15/2005	35	63	2,600	31.25	2,651	31.86

TABLE 6
Groundwater Remedial System
Contaminant Mass Removal

Sampling Date	Days of Operation	Average flow rate	tetrachloroethene (µg/l)	mass removed (kg)	Total VOC's (µg/l)	mass removed (kg)
1/10/2006	26	130	3,100	57.12	3,144	57.93
3/27/2006	23	130	2,700	44.01	2,728	44.46
4/20/2006	24	180	2,000	47.10	2,027	47.73
5/19/2006	29	180	1,500	42.68	1,525	43.39
6/30/2006	42	180	1,400	57.69	1,427	58.81
7/20/2006	18	176	1,600	27.63	1,627	28.10
8/11/2006	20	176	1,700	32.62	1,727	33.14
9/26/2006	25	176	3,400	81.55	3,455	82.87
10/23/2006	27	160	2,000	47.10	2,028	47.76
11/7/2006	15	160	2,800	36.63	2,861	37.43
12/21/2006	44	160	1,800	69.07	1,828	70.15
1/5/2007	15	152	2,100	26.10	2,127	26.43
2/6/2007	32	152	1,600	42.42	1,627	43.14
3/22/2007	44	152	1,800	65.62	1,829	66.68
4/5/2007	14	150	1,700	19.46	1,734	19.85
5/3/2007	28	150	1,600	36.63	1,631	37.34
6/20/2007	48	150	4,400	172.69	4,429	173.83
7/11/2007	21	147	1,900	31.97	1,932	32.51
8/8/2007	28	147	3,300	74.04	3,325	74.60
9/27/2007	50	147	3,900	156.25	3,979	159.42
10/12/2007	15	152	2,500	31.07	2,530	31.44
11/6/2007	25	143	2,000	38.97	2,025	39.46
12/11/2007	35	142	2,700	73.15	2,739	74.20
1/5/2008	25	140	2,100	40.06	2,128	40.60
2/6/2008	32	120	2,000	41.86	2,023	42.35
3/31/2008	54	120	2,100	74.18	2,127	75.13
4/23/2008	23	122	1,600	24.47	1,625	24.86
5/20/2008	27	122	1,700	30.52	1,726	30.99
6/17/2008	28	108	1,900	31.32	1,927	31.76
7/8/2008	21	102	1,900	22.18	1,931	22.55
8/6/2008	29	115	1,800	32.72	1,828	33.23
9/29/2008	54	112	2,500	82.42	2,547	83.97
10/14/2008	15	96	1,900	14.91	1,922	15.09
11/24/2008	41	118	1,900	50.11	1,923	50.71
12/18/2008	24	110	2,900	41.73	2,940	42.31
1/9/2009	22	110	1,800	23.74	1,821	24.02
2/20/2009	42	106	1,900	46.11	1,919	46.57
3/17/2009	25	105	1,800	25.76	1,823	26.09
4/16/2009	30	104	1,800	30.61	1,821	30.97
5/13/2009	27	108	1,900	30.20	1,922	30.55
6/11/2009	29	108	1,900	32.44	1,922	32.81
7/29/2009	48	112	4,800	140.66	4,849	142.10
8/27/2009	29	108	2,200	37.56	2,219	37.88
9/30/2009	34	104	1,900	36.62	1,924	37.08
10/22/2009	22	90	2,000	21.59	2,025	21.86
11/9/2009	17	90	2,100	17.51	2,121	17.69
12/16/2009	12	90	2,300	13.54	2,322	13.67
1/19/2010	20	95	4,600	47.64	4,616	47.81
2/11/2010	23	95	1,600	19.06	1,637	19.50
3/17/2010	34	95	3,600	63.38	3,658	64.41
4/19/2010	10	100	3,100	16.90	3,454	18.83
5/18/2010	29	100	2,100	33.20	2,127	33.62
6/16/2010	29	100	2,000	31.62	2,026	32.03
7/8/2010	22	96	1,900	21.87	1,927	22.18
8/6/2010	29	95	2,000	30.03	2,021	30.35
9/23/2010	48	94	2,200	54.11	2,225	54.72
10/25/2010	32	98	2,000	34.19	2,020	34.53
11/10/2010	16	90	2,200	17.27	2,220	17.43
12/8/2010	28	92	2,200	30.89	2,205	30.96
1/24/2011	47	75	2,300	44.19	2,339	44.94
3/17/2011	19	75	3,500	27.19	3,543	27.52
4/26/2011	40	126	2,600	71.43	2,623	72.06
5/31/2011	35	96	2,800	51.28	2,828	51.80
6/15/2011	8	88	6,200	23.79	6,449	24.75
6/28/2011	8	88	3,400	13.05	3,439	13.20
7/26/2011	28	68	4,300	44.63	4,335	44.99
8/11/2011	16	70	2,700	16.48	2,720	16.61
9/27/2011	47	72	2,500	46.12	2,523	46.54
10/20/2011	23	75	2,400	22.57	2,424	22.79
11/14/2011	25	72	2,500	24.53	2,522	24.75
12/15/2011	31	70	2,100	24.84	2,124	25.12
1/5/2012	21	70	2,400	19.23	2,421	19.40
2/17/2012	43	59	2,300	31.81	2,326	32.17
3/12/2012	24	62	2,400	19.47	2,428	19.69
4/23/2012	42	100	3,100	70.97	3,139	71.86
5/25/2012	32	100	2,900	50.59	2,931	51.13
6/14/2012	20	100	3,000	32.71	3,029	33.02
7/23/2012	39	68	1,490	21.54	1,490	21.54
8/9/2012	17	70	3,500	22.70	3,532	22.91
9/11/2012	33	97	2,700	47.11	2,723	47.51
10/2/2012	21	97	3,300	36.64	3,341	37.10
11/26/2012	55	97	2,400	69.79	2,421	70.41
1/9/2013	10	97	3,200	16.92	3,226	17.06
2/15/2013	37	100	1,900	38.32	1,918	38.68
3/21/2013	34	104	2,400	46.26	2,418	46.61
4/17/2013	27	99	2,200	32.06	2,220	32.35
5/23/2013	36	98	3,800	73.08	3,837	73.79
6/24/2013	32	99	2,500	43.17	2,522	43.55
8/6/2013	43	99	4,700	109.06	4,766	110.59
8/28/2013	22	100	3,300	39.57	3,300	39.57
9/19/2013	22	100	2,600	31.18	2,600	31.18
10/28/2013	39	100	2,100	44.64	2,100	44.64
11/15/2013	18	100	2,700	26.49	2,700	26.49
12/17/2013	32	100	2,600	45.35	2,600	45.35
Total (kg)				14,923.80		15,595.19
Total (lb)				32,901.34		34,381.51

TABLE 7
Groundwater Remedial System
Contaminant Mass Removal For Individual Extraction Wells

Sampling Date	Source	Days of Operation	Average Flow Rate	tetrachloroethylene (µg/l)	mass removed (kg)	Total VOC's (µg/l)	mass removed (kg)
7/7/1998	Magothy	8	50	9400	20.50	9650	21.04
7/7/1998	Upper Glacial	8	200	4000	34.89	4580	39.94
10/27/1998	Magothy	112	50	7600	259.47	7921	268.18
10/27/1998	Upper Glacial	112	200	4300	506.72	4770	570.83
2/24/1999	Magothy	120	50	9000	271.46	9290	281.45
2/24/1999	Upper Glacial	120	200	5400	634.50	5840	694.02
5/28/1999	Magothy	93	50	7100	204.04	7362	211.04
5/28/1999	Upper Glacial	93	200	4800	517.08	5188	559.06
10/12/1999	Magothy	137	47	8100	266.75	8350	275.74
10/12/1999	Upper Glacial	137	165	5100	609.94	5240	642.47
11/10/1999	Magothy	12	40	8900	22.24	9160	22.91
11/10/1999	Upper Glacial	12	80	5500	27.73	5634	28.45
2/15/2000	Magothy	81	40	6000	131.58	6270	136.26
2/15/2000	UpperGlacial	81	80	4300	173.08	4480	178.63
5/26/2000	Magothy	97	50	6500	165.23	6720	171.71
5/26/2000	UpperGlacial	97	90	5000	221.28	5248	231.46
9/27/2000	Magothy	124	50	4200	180.81	4386	187.67
9/27/2000	Upper Glacial	124	100	2800	263.61	3137	283.38
2/27/2001	Magothy	152	50	3200	153.28	3391	161.09
2/27/2001	Upper Glacial	152	100	2500	219.57	2680	240.98
5/30/2001	Magothy	88	50	2100	63.56	2433	69.84
5/30/2001	Upper Glacial	88	100	2400	117.52	2723	129.59
8/23/2001	Magothy	85	50	2500	53.28	2715	59.63
8/23/2001	Upper Glacial	85	100	2500	113.52	2736	126.47
11/27/2001	Magothy	96	50	2500	65.41	2530	68.62
11/27/2001	Upper Glacial	96	100	2400	128.21	2542	138.10
2/27/2002	Magothy	93	50	2300	60.83	2362	62.00
2/27/2002	Upper Glacial	93	100	2600	126.74	2665	131.98
5/29/2002	Magothy	86	50	6200	99.62	6213	100.50
5/29/2002	Upper Glacial	86	100	6400	210.95	6412	212.76
8/30/2002	Magothy	93	50	5400	147.01	5521	148.71
8/30/2002	Upper Glacial	93	100	5300	296.56	5410	299.65
11/26/2002	Magothy	77	50	4300	101.78	4351	103.59
11/26/2002	Upper Glacial	77	100	3800	190.98	3851	194.35
2/4/2003	Magothy	61	0	3800	0.00	3853	0.00
2/4/2003	Upper Glacial	61	90	4000	116.71	4055	118.30
7/7/2003	Magothy	56	0	9600	0.00	11591	0.00
7/7/2003	Upper Glacial	56	90	2400	87.91	2515	90.25
8/26/2003	Magothy	22	50	4600	42.57	4702	48.85
8/26/2003	Upper Glacial	46	120	1200	54.16	1255	56.72
12/1/2003	Magothy	91	50	4900	117.81	4986	120.14
12/1/2003	Upper Glacial	91	120	1800	89.29	1841	92.14
2/26/2004	Magothy	87	40	4300	87.26	4386	88.89
2/26/2004	Upper Glacial	87	120	1800	102.44	1819	104.14
5/17/2004	Magothy	81	40	3400	68.00	3466	69.34
5/17/2004	Upper Glacial	81	120	1600	90.07	1600	90.58
8/13/2004	Magothy	88	40	2600	57.56	2684	59.00
8/13/2004	Upper Glacial	88	110	1800	89.70	1825	90.36
11/23/2004	Magothy	102	40	3800	71.17	3857	72.74
11/23/2004	Upper Glacial	102	110	3200	152.90	3225	154.43
2/10/2005	Magothy	79	30	2200	38.76	2254	39.47
2/10/2005	Upper Glacial	79	50	3000	66.75	3028	67.32
5/16/2005	Magothy	95	30	2000	32.62	2048	33.42
5/16/2005	Upper Glacial	95	55	3100	86.87	3138	87.81
8/23/2005	Magothy	99	33	2600	40.96	2641	41.75
8/23/2005	Upper Glacial	99	50	5600	117.37	5640	118.43

TABLE 7
Groundwater Remedial System
Contaminant Mass Removal For Individual Extraction Wells

Sampling Date	Source	Days of Operation	Average Flow Rate	tetrachloroethylene (µg/l)	mass removed (kg)	Total VOC's (µg/l)	mass removed (kg)
11/10/2005	Magothy	79	30	2600	33.59	2646	34.15
11/10/2005	Upper Glacial	79	44	3400	85.26	3400	85.64
3/27/2006	Magothy	84	65	3100	84.82	3148	86.22
3/27/2006	Upper Glacial	84	160	2800	227.11	2823	227.95
5/19/2006	Magothy	53	64	2200	49.00	2252	49.92
5/19/2006	Upper Glacial	53	150	1400	91.00	1414	91.81
8/11/2006	Magothy	84	57	2200	57.42	2248	58.72
8/11/2006	Upper Glacial	84	140	1600	96.16	1620	97.25
11/7/2006	Magothy	88	62	2500	69.89	2561	71.51
11/7/2006	Upper Glacial	88	123	3200	141.60	3277	144.47
2/6/2007	Magothy	91	62	2000	69.20	2042	70.78
2/6/2007	Upper Glacial	91	110	1700	133.68	1718	136.27
5/3/2007	Magothy	86	65	1600	54.85	1676	56.65
5/3/2007	Upper Glacial	86	98	1600	75.80	1619	76.65
8/8/2007	Magothy	65	65	2200	43.76	2252	45.23
8/8/2007	Upper Glacial	65	98	4200	100.70	4206	101.13
11/6/2007	Magothy	90	60	2100	54.46	2144	64.70
11/6/2007	Upper Glacial	90	95	2100	86.22	2117	147.34
2/6/2008	Magothy	92	53	2000	55.82	2035	55.54
2/6/2008	Upper Glacial	92	81	2000	83.27	2017	83.96
5/20/2008	Magothy	104	52	1500	51.59	1553	52.89
5/20/2008	Upper Glacial	104	66	1900	72.96	1918	73.62
11/24/2008	Magothy	188	48	1600	76.24	1645	78.65
11/24/2008	Upper Glacial	188	67	1900	130.46	1923	131.86
2/20/2009	Magothy	88	44	1700	34.83	1754	35.87
2/20/2009	Upper Glacial	88	72	1900	65.62	1950	63.96
5/13/2009	Magothy	82	41	1700	31.15	1740	32.02
5/13/2009	Upper Glacial	82	75	1900	63.69	1916	64.80
8/27/2009	Magothy	106	50	1900	52.00	1935	53.09
8/27/2009	Upper Glacial	106	70	2200	82.92	2216	83.56
11/9/2009	Magothy	74	40	1900	30.66	1929	31.17
11/9/2009	Upper Glacial	74	60	2300	54.46	2320	54.89
2/11/2010	Magothy	72	43	1900	32.06	1928	32.55
2/11/2010	Upper Glacial	72	60	2300	54.16	2323	54.67
5/18/2010	Magothy	73	40	2000	31.04	2042	31.60
5/18/2010	Upper Glacial	73	64	2200	57.30	2224	57.90
8/6/2010	Magothy	73	40	1900	31.04	1931	31.62
8/6/2010	Upper Glacial	73	64	2000	53.48	2021	54.05
11/10/2010	Magothy	96	32	2100	33.49	2123	33.94
11/10/2010	Upper Glacial	96	64	2300	72.01	2321	72.71
3/17/2011	Magothy	94	29	3700	43.09	3744	43.59
3/17/2011	Upper Glacial	94	52	4200	86.59	4256	87.62
5/31/2011	Magothy	75	25	3000	34.24	3030	34.62
5/31/2011	Upper Glacial	75	45	2400	60.71	2400	61.23
6/28/2011	Magothy	14	25	2600	5.34	2643	5.41
6/28/2011	Upper Glacial	14	45	4000	10.99	4061	11.09
8/10/2011	Magothy	43	25	2300	14.36	2322	14.55
8/10/2011	Upper Glacial	43	50	2800	39.85	2823	40.34
11/14/2011	Magothy	96	22	2400	27.05	2419	27.29
11/14/2011	Upper Glacial	96	40	2500	55.47	2520	55.92
2/17/2012	Magothy	62	20	2300	15.88	2320	16.02
2/17/2012	Upper Glacial	62	43	2600	37.06	2634	37.45
5/25/2012	Magothy #2	98	20	2900	27.78	2942	28.11
5/25/2012	Upper Glacial	98	43	2900	59.72	2944	60.46
5/25/2012	Magothy #4	64	36	3800	47.72	3828	48.08
8/9/2012	Magothy #2	76	20	2600	22.79	2634	23.10
8/9/2012	Upper Glacial	76	43	5300	73.04	5349	73.87
8/9/2012	Magothy #4	76	51	3400	76.06	3428	76.65

TABLE 7
Groundwater Remedial System
Contaminant Mass Removal For Individual Extraction Wells

Sampling Date	Source	Days of Operation	Average Flow Rate	tetrachloroethylene (µg/l)	mass removed (kg)	Total VOC's (µg/l)	mass removed (kg)
11/26/2012	Magothy #2	109	7	1700	8.94	1722	9.06
11/26/2012	Upper Glacial	109	29	3900	79.26	3931	79.95
11/26/2012	Magothy #4	109	62	2800	114.20	2819	115.06
2/15/2013	Magothy #2	51	18	1300	10.51	1328	10.68
2/15/2013	Upper Glacial	51	34	3400	29.77	3423	30.09
2/15/2013	Magothy #4	51	60	1900	47.54	1916	47.91
3/21/2013	Magothy #2	34	22	1100	4.89	1149	5.05
3/21/2013	Upper Glacial	34	32	2500	17.50	2523	17.63
3/21/2013	Magothy #4	34	60	2800	26.13	2821	26.34
5/23/2013	Magothy #2	63	17	1100	6.42	1600	8.02
5/23/2013	Upper Glacial	63	30	8000	54.09	7000	49.05
5/23/2013	Magothy #4	63	59	1800	46.60	2300	51.88
6/24/2013	Magothy #2	32	22	1000	4.03	1033	5.05
6/24/2013	Upper Glacial	32	40	3900	41.51	3917	38.09
6/24/2013	Magothy #4	32	55	1900	17.75	1920	20.24
8/28/2013	Magothy #2	65	18	1600	8.29	1600	8.40
8/28/2013	Upper Glacial	65	35	7000	67.59	7000	67.69
8/28/2013	Magothy #4	65	62	2300	46.13	2300	46.35
11/15/2013	Magothy #2	79	20	4700	27.13	4724	27.23
11/15/2013	Upper Glacial	79	34	3400	76.14	3400	76.14
11/15/2013	Magothy #4	79	50	4600	74.28	4600	74.28
Total (kg)					299.56		300.09
Total (lb)					659.02		660.20

Sample Calculation:

$$(8\ \text{days}) \times \frac{(9400\ \text{ug})}{\text{L}} \times \frac{(50\ \text{GAL})}{\text{min}} \times \frac{(1440\ \text{min})}{\text{day}} \times \frac{(1\text{L})}{(0.264172\ \text{GAL})} \times \frac{(1\ \text{kg})}{(1\text{x}10^{9}\ \text{ug})} = 20.50\ \text{kg}$$

TABLE 8
History of SVE Influent Concentrations

PARAMETER	Units	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	SVE-1 Influent	SVE-1 Influent	SVE-2 Influent	SVE-2 Influent	Combined SVE Influent	NYSDEC Air Guidance Concentrations	
		3/7/1997	6/25/1997	9/26/1997	12/18/1997	3/17/1998	4/21/1998	7/7/1998	7/8/1998	8/5/1998	9/17/1998	12/29/1998	SGC	AGC
cis-1,2-Dichloroethene	µg/m³	30,000	900	830	560	340	370	310	740	1,100	930	1,600	190,000	1,900
1,1,1-Trichloroethane	µg/m³	12,000	650	560	230	97	64	45	27	57	52	47	450,000	1,000
Trichloroethylene	µg/m³	88,000	2,300	2,600	2,900	570	340	170	200	520	380	1,200	33,000	0.450
Trichlorofluoromethane	µg/m³	BDL	BDL	BDL	BDL	BDL	28	20	19	16	21	25	560,000	700.000
1,1-Dichloroethane	µg/m³	BDL	BDL	BDL	BDL	BDL	15	25	12	25	BDL	28	190,000	500.000
Tetrachloroethene	µg/m³	3,600,000	200,000	160,000	150,000	20,000	5,200	1,900	2,800	2,700	2,200	2,300	81,000	0.075
TVOCs	**µg/m³**	**3,730,000**	**203,850**	**163,990**	**153,690**	**21,007**	**6,017**	**2,470**	**3,798**	**4,418**	**3,583**	**5,200**	NA	NA

PARAMETER	Units	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	NYSDEC Air Guidance Concentrations	
		3/24/1999	6/29/1999	11/1/1999	12/16/1999	3/21/2000	8/3/2000	12/21/2000	3/29/2001	6/28/2001	9/27/2001	10/15/2001	SGC	AGC
cis-1,2-Dichloroethene	µg/m³	390	720	660	180	60	240	79	120	540	450	BDL	190,000	1,900
1,1,1-Trichloroethane	µg/m³	38	37	37	17	8	37	6	BDL	BDL	22	BDL	450,000	1,000
Trichloroethylene	µg/m³	150	620	360	170	170	220	230	100	520	4,300	350	33,000	0.450
Trichlorofluoromethane	µg/m³	BDL	7	17	BDL	BDL	27	BDL	BDL	BDL	BDL	BDL	560,000	700.000
1,1-Dichloroethane	µg/m³	20	19	28	13	7	25	6	10	BDL	16	BDL	190,000	500.000
Tetrachloroethene	µg/m³	540	1,400	1,500	1,100	1,200	620	400	420	6,300	18,000	610	81,000	0.075
TVOCs	**µg/m³**	**1,138**	**2,803**	**2,602**	**1,480**	**1,445**	**1,169**	**721**	**650**	**7,360**	**22,788**	**960**	NA	NA

PARAMETER	Units	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	NYSDEC Air Guidance Concentrations	
		3/26/2002	6/26/2002	9/26/2002	1/3/2003	7/7/2003	9/30/2003	12/15/2003	3/30/2004	5/17/2004	9/24/2004	12/10/2004	SGC	AGC
cis-1,2-Dichloroethene	µg/m³	98	61	44	66	200	93	58	370	34	11	48	190,000	1,900
1,1,1-Trichloroethane	µg/m³	12	10	BDL	11	BDL	32	BDL	16	BDL	BDL	6.3	450,000	1,000
Trichloroethylene	µg/m³	340	81	24	29	30	30	20	890	8	BDL	11	33,000	0.450
Trichlorofluoromethane	µg/m³	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	560,000	700.000
1,1-Dichloroethane	µg/m³	12	8	BDL	16	100	BDL	BDL	BDL	BDL	BDL	10	190,000	500.000
Tetrachloroethene	µg/m³	1,600	710	450	360	150	100	31	14,000	26	16	40	81,000	0.075
TVOCs	**µg/m³**	**2,062**	**870**	**518**	**482**	**480**	**255**	**109**	**15,276**	**68**	**27**	**115**	NA	NA

PARAMETER	Units	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	NYSDEC Air Guidance Concentrations	
		3/16/2005	6/28/2005	9/28/2005	12/15/2005	3/27/2006	6/30/2006	9/26/2006	12/21/2006	3/22/2007	6/25/2007	9/27/2007	SGC	AGC
cis-1,2-Dichloroethene	µg/m³	40	140	150	33	53	34	53	91	64	180	1,100	190,000	1,900
1,1,1-Trichloroethane	µg/m³	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	60	450,000	1,000
Trichloroethylene	µg/m³	14	48	30	BDL	11	BDL	11	BDL	11	26	54	33,000	0.450
Trichlorofluoromethane	µg/m³	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	560,000	700.000
1,1-Dichloroethane	µg/m³	11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	23	130	190,000	500.000
Tetrachloroethene	µg/m³	41	380	80	90	14	BDL	14	34	35	46	56	81,000	0.075
TVOCs	**µg/m³**	**106**	**568**	**260**	**123**	**78**	**34**	**78**	**125**	**110**	**275**	**1,400**	NA	NA

TABLE 8
History of SVE Influent Concentrations

PARAMETER	Units	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	NYSDEC Air Guidance Concentrations	
		12/11/2007	3/31/2008	6/17/2008	8/6/2008	9/29/2008	12/18/2008	3/17/2009	6/11/2009	9/30/2009	12/16/2009	3/17/2010	SGC	AGC
cis-1,2-Dichloroethene	µg/m^3	66	180	21	160	130	80	230	BDL	BDL	690	950	190,000	1,900
1,1,1-Trichloroethane	µg/m^3	BDL	BDL	BDL	BDL	BDL	BDL	14	BDL	BDL	14	19	450,000	1,000
Trichloroethylene	µg/m^3	BDL	BDL	BDL	67	23	BDL	BDL	BDL	7	110	53	33,000	0.450
Trichlorofluoromethane	µg/m^3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	560,000	700.000
1,1-Dichloroethane	µg/m^3	17	22	BDL	14	14	10	38	BDL	BDL	24	46	190,000	500.000
Tetrachloroethene	µg/m^3	40	29	BDL	350	97	37	BDL	BDL	84	500	570	81,000	0.075
TVOCs	**µg/m^3**	**123**	**231**	**21**	**591**	**264**	**127**	**282**	**BDL**	**91**	**1,338**	**1,638**	NA	NA

PARAMETER	Units	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	NYSDEC Air Guidance Concentrations	
		5/15/2010	6/16/2010	9/23/2010	12/9/2010	3/17/2011	6/15/2011	9/27/2011	12/15/2011	3/12/2012	6/14/2012	9/11/2012	SGC	AGC
cis-1,2-Dichloroethene	µg/m^3	210	200	200	515.71	396.70	206.28	281.66	714.06	234.05	476.04	490.00	190,000	1,900
1,1,1-Trichloroethane	µg/m^3	6	6.1	6.0	21.29	12.56	13.10	4.26	BDL	2.24	BDL	17.70	450,000	1,000
Trichloroethylene	µg/m^3	94	110	75	236.41	193.43	209.55	123.58	96.71	59.10	166.56	202.00	33,000	0.450
Trichlorofluoromethane	µg/m^3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.75	560,000	700.000
1,1-Dichloroethane	µg/m^3	10	13	9	18.64	16.61	14.18	8.91	21.88	9.32	14.58	25.60	190,000	500.000
Tetrachloroethene	µg/m^3	540	2,100	290	4478.10	2510.50	3663.90	3189.00	2103.40	1492.70	2374.80	1670.00	81,000	0.075
TVOCs	**µg/m^3**	**860**	**2,429**	**580**	**5,270**	**3,130**	**4,107**	**3,607**	**2,936**	**1,797**	**3,032**	**2,405**	NA	NA

PARAMETER	Units	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	Combined SVE Influent	NYSDEC Air Guidance Concentrations	
		1/11/2013	3/21/2013	6/24/2013	9/19/2013	11/15/2013	SGC	AGC
cis-1,2-Dichloroethene	µg/m^3	144	436	119	150	238	190,000	1,900
1,1,1-Trichloroethane	µg/m^3	7.0	8.7	3.4	3.6	13.1	450,000	1,000
Trichloroethylene	µg/m^3	91	155	31	46	148	33,000	0.450
Trichlorofluoromethane	µg/m^3	1.69	2.47	1.40	2.02	3.03	560,000	700.000
1,1-Dichloroethane	µg/m^3	12.2	13.6	4.5	5.9	15.0	190,000	500.000
Tetrachloroethene	µg/m^3	1,300	1,230	423	609	1,810	81,000	0.075
TVOCs	**µg/m^3**	**1,556**	**1,846**	**583**	**817**	**2,227**	NA	NA

Notes:

SGC = Short-Term Guideline Concentrations (µg/m^3)

AGC = Annual Guideline Concentrations (µg/m^3)

NA = Not Applicable

BDL= Below Detection Limit. Based on a reduction in concentrations, additional compounds have been detected in more recent analyses performed.

***** - Second Quarter 2001-Laboratory method changed from air sampling with carbon tubes to air sampling with 'porapak-N' tubes. Increase from 1st qtr 2001 to 2nd qtr 2001 may reflect this change.

TABLE 9

SVE Remedial System
Contaminant Mass Removal

SVE Wells 1 & 2 System Influent	Baseline Sample 7-Mar-97 (µg/m³)	Second Qtr. 30-Jun-97 (µg/m³)	Third Qtr. 26-Sep-97 (µg/m³)	Fourth Qtr. 15-Dec-97 (µg/m³)	First Qtr. 17-Mar-98 (µg/m³)	Confirm. Sam. 21-Apr-98 (µg/m³)	Third Qtr. 17-Sep-98 (µg/m³)	Fourth Qtr. 29-Dec-98 (µg/m³)	First Qtr. 24-Mar-99 (µg/m³)	Second Qtr. 29-Jun-99 (µg/m³)	Third Qtr. 1-Nov-99 (µg/m³)	Fourth Qtr. 16-Dec-99 (µg/m³)
Tetrachloroethylene	3,600,000	200,000	160,000	150,000	20,000	5,200	2,200	2,300	540	1,400	1,500	1,100
Trichloroethylene	88,000	2,300	2,600	2,900	570	340	380	1,200	150	620	360	170
1,1,1-Trichloroethane	12,000	650	560	230	97	64	52	47	38	37	37	17
cis-1,2-Dichloroethene	30,000	900	830	560	340	370	930	1,600	390	720	660	180
Total VOCs	**3,730,000**	**203,850**	**163,990**	**153,690**	**21,007**	**5,974**	**3,562**	**5,147**	**1,118**	**2,777**	**2,557**	**1,467**
Average SVE Flow Rate (cfm):		254	265	280	280	280	265	260	238	300	300	300
Average VOC Removal Rate (lb/hr):		1.86	0.18	0.17	0.09	0.01	0.005	0.004	0.003	0.002	0.003	0.002
Total VOCs Removed Over Quarter (lb):		4214.54	402.45	367.82	193.48	11.88	18.42	10.48	5.70	5.09	8.99	2.44

SVE Wells 1 & 2 System Influent	First Qtr. 21-Mar-00 (µg/m³)	Second Qtr. 3-Aug-00 (µg/m³)	Fourth Qtr. 21-Dec-00 (µg/m³)	First Qtr. 29-Mar-01 (µg/m³)	Second Qtr. 28-Jun-01 (µg/m³)	Third Qtr. 15-Oct-01 (µg/m³)	First Qtr. 26-Mar-02 (µg/m³)	Second Qtr. 27-Jun-02 (µg/m³)	Third Qtr. 26-Sep-02 (µg/m³)	Fourth Qtr. 3-Jan-03 (µg/m³)	First/Sec Qtr. 7-Jul-03 (µg/m³)	Third Qtr. 30-Sep-03 (µg/m³)
Tetrachloroethylene	1,200	620	400	420	6,300	610	1,600	710	450	360	150	100
Trichloroethylene	170	220	230	100	520	350	340	81	24	29	30	30
1,1,1-Trichloroethane	8	37	6	0	0	0	12	10	0	11	0	32
cis-1,2-Dichloroethene	60	240	79	120	540	0	98	61	44	66	200	93
Total VOCs	**1,438**	**1,117**	**715**	**640**	**7,360**	**960**	**2,050**	**862**	**518**	**466**	**380**	**255**
Average SVE Flow Rate (cfm):	300	300	300	300	300	300	300	300	300	300	300	300
Average VOC Removal Rate (lb/hr):	0.002	0.001	0.001	0.001	0.004	0.005	0.002	0.002	0.001	0.001	0.0005	0.0004
Total VOCs Removed Over Quarter (lb):	3.76	4.65	3.46	1.79	9.82	12.23	6.58	3.65	1.69	1.31	2.11	0.73

SVE Wells 1 & 2 System Influent	Fourth Qtr. 15-Dec-03 (µg/m³)	First Qtr. 30-Mar-04 (µg/m³)	Second Qtr. 17-May-04 (µg/m³)	Third Qtr. 24-Sep-04 (µg/m³)	Fourth Qtr. 10-Dec-04 (µg/m³)	First Qtr. 17-Mar-05 (µg/m³)	Second Qtr. 28-Jun-05 (µg/m³)	Third Qtr. 28-Sep-05 (µg/m³)	Fourth Qtr. 15-Dec-05 (µg/m³)	First Qtr. 27-Mar-06 (µg/m³)	Second Qtr. 30-Jun-06 (µg/m³)	Third Qtr. 26-Sep-06 (µg/m³)
Tetrachloroethylene	31	14,000	26	16	40	41	380	80	90	14	0	23
Trichloroethylene	20	890	8	0	11	14	48	30	0	11	0	0
1,1,1-Trichloroethane	0	16	0	0	6.3	0	0	0	0	0	0	0
cis-1,2-Dichloroethene	58	370	34	11	48	40	140	150	33	53	34	32
Total VOCs	**109**	**15,276**	**68**	**27**	**105**	**95**	**568**	**260**	**123**	**78**	**34**	**55**
Average SVE Flow Rate (cfm):	300	300	300	300	300	300	300	300	300	300	300	300
Average VOC Removal Rate (lb/hr):	0.0002	0.009	0.009	0.00005	0.0001	0.0001	0.0004	0.0005	0.0002	0.0001	0.0001	0.00005
Total VOCs Removed Over Quarter (lb):	0.37	21.37	9.31	0.16	0.14	0.26	0.92	1.03	0.40	0.28	0.14	0.11

SVE Wells 1 & 2 System Influent	Fourth Qtr. 21-Dec-06 (µg/m³)	First Qtr. 22-Mar-07 (µg/m³)	Second Qtr. 20-Jun-07 (µg/m³)	Third Qtr. 29-Sep-07 (µg/m³)	Fourth Qtr. 11-Dec-07 (µg/m³)	First Qtr. 31-Mar-08 (µg/m³)	Second Qtr. 17-Jun-08 (µg/m³)	Third Qtr. 29-Sep-08 (µg/m³)	Fourth Qtr. 18-Dec-08 (µg/m³)	First Qtr. 17-Mar-09 (µg/m³)	Second Qtr. 11-Jun-09 (µg/m³)	Third Qtr. 30-Sep-09 (µg/m³)
Tetrachloroethylene	34	35	46	56	40	29	0	97	37	0	0	84
Trichloroethylene	0	11	26	54	0	0	0	23	3	0	0	7
1,1,1-Trichloroethane	0	0	0	60	0	0	0	0	0	14	0	0
cis-1,2-Dichloroethene	91	64	180	1,100	66	180	21	130	80	230	0	0
Total VOCs	**125**	**110**	**252**	**1,270**	**106**	**209**	**21**	**250**	**120**	**244**	**0**	**91**
Average SVE Flow Rate (cfm):	300	300	300	300	300	300	300	300	300	300	300	300
Average VOC Removal Rate (lb/hr):	0.0001	0.0001	0.0002	0.0009	0.0008	0.0002	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001
Total VOCs Removed Over Quarter (lb):	0.21	0.29	0.44	2.07	1.35	0.47	0.24	0.38	0.40	0.44	0.28	0.14

SVE Wells 1 & 2 System Influent	Fourth Qtr. 16-Dec-09 (µg/m³)	First Qtr. 17-Mar-10 (µg/m³)	Second Qtr. 16-Jun-10 (µg/m³)	Third Qtr. 23-Sep-10 (µg/m³)	Fourth Qtr. 9-Dec-10 (µg/m³)	First Qtr. 17-Mar-11 (µg/m³)	Second Qtr. 15-Jun-11 (µg/m³)	Third Quarter 27-Sep-11 (µg/m³)	Fourth Quarter 15-Dec-11 (µg/m³)	First Quarter 12-Mar-12 (µg/m³)	Second Quarter 14-Jun-12 (µg/m³)	Third Quarter 11-Sep-12 (µg/m³)
Tetrachloroethylene	500	570	2,100	290	4478.10	2510.50	3663.90	3189.00	2103.40	1492.70	2374.80	1670.00
Trichloroethylene	110	150	110	75	236.41	193.43	209.55	123.58	96.71	59.10	166.56	202.00
1,1,1-Trichloroethane	14	19	6.1	6.0	21.29	12.56	13.10	4.26	0.00	0.00	0.00	17.70
cis-1,2-Dichloroethene	690	950	200	200	515.71	396.70	206.28	281.66	714.06	234.05	476.04	490.00
Total VOCs	**1,314**	**1,689**	**2,416**	**571**	**5,251.51**	**3,113.19**	**4,092.83**	**3,598.50**	**2,914.17**	**1,785.85**	**3,017.40**	**2,379.70**
Average SVE Flow Rate (cfm):	300	300	300	300	300	300	300	300	300	300	300	300
Average VOC Removal Rate (lb/hr):	0.0008	0.0017	0.0023	0.0017	0.0033	0.0047	0.0040	0.0043	0.0037	0.0026	0.0027	0.0030
Total VOCs Removed Over Quarter (lb):	1.46	3.68	5.04	3.99	6.05	11.05	8.75	10.79	6.94	5.58	6.09	6.48

SVE Wells 1 & 2 System Influent	Fouth Quarter 11-Jan-13 (µg/m³)	First Qtr. 21-Mar-13 (µg/m³)	Second Qtr. 24-Jun-13 (µg/m³)	Third Qtr. 19-Sep-13 (µg/m³)	Fourth Qtr. 15-Nov-13 (µg/m³)	Mass Removed to Date (kg)	Mass Removed to Date (lbs)
Tetrachloroethylene	1300.00	1,230	423	609	1,810	2,330	5,137
Trichloroethylene	91.00	155	31	46	148	59	130
1,1,1-Trichloroethane	7.04	8.73	3.38	3.60	13.10	8	17
cis-1,2-Dichloroethene	144.00	436	119	150	150	28	61
Total VOCs	**1,542.04**	**1,830**	**577**	**809**	**2,121**	**2,425**	**5,347**
Average SVE Flow Rate (cfm):	300	300	300	300	300		
Average VOC Removal Rate (lb/hr):	0.0022	0.0019	0.0013	0.0008	0.0016		
Total VOCs Removed Over Quarter (lb):	6.45	3.14	3.08	1.63	2.25		

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APPENDIX A
GROUNDWATER SAMPLING DATA

P.W. Grosser Consulting, Inc.

630 Johnson Avenue, Suite 7
Bohemia, New York 11716

Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	MW-1
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	10:15
Depth to Water:	41.34	Quarter:	Annual	Time sampled:	10:20
Depth to Bottom:	46.03	Casing Diameter:	4 in	Static Volume:	4.69
Well Depth:	46.21	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	9.29 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
10:15	6.23	15.58	3.00	0.277	10.3	0	
10:15	6.23	15.93	3.41	0.281	9.0	2.5	
10:16	6.23	16.29	3.56	0.279	5.1	5	
10:17	6.23	16.36	3.60	0.279	4.7	10	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	MW-2
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	9:45
Depth to Water:	41.25	Quarter:	Annual	Time sampled:	9:50
Depth to Bottom:	47.78	Casing Diameter:	4 in	Static Volume:	6.53
Well Depth:	47.97	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	12.9 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
9:45	6.38	15.73	1.88	0.264	17.5	0	
9:45	6.35	15.93	1.63	0.263	12.1	2.5	
9:46	6.27	16.07	1.62	0.281	13.5	5	
9:47	6.26	16.09	1.59	0.282	12.8	10	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	MW-3
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	9:22
Depth to Water:	40.67	Quarter:	Annual	Time sampled:	9:26
Depth to Bottom:	45.60	Casing Diameter:	4 in	Static Volume:	4.93
Well Depth:	45.66	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	9.76 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
9:22	6.25	15.11	6.79	0.313	24.4	0	
9:22	6.21	15.57	5.70	0.303	24.1	2.5	
9:23	6.24	15.90	4.64	0.293	17.9	5	
9:24	6.28	16.21	3.65	0.285	10.7	10	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	MW-4
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	8:25
Depth to Water:	40.14	Quarter:	Annual	Time sampled:	8:35
Depth to Bottom:	44.53	Casing Diameter:	4 in	Static Volume:	4.39
Well Depth:	44.71	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	8.69 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
8:25	5.21	15.80	6.64	0.323	194	0	
8:26	5.33	16.18	5.70	0.322	149	2.5	
8:27	5.41	16.43	5.30	0.317	31.6	5	
8:28	5.67	16.55	5.21	0.316	22.3	10	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	MW-5
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	10:00
Depth to Water:	41.47	Quarter:	Annual	Time sampled:	10:05
Depth to Bottom:	46.93	Casing Diameter:	4 in	Static Volume:	5.46
Well Depth:	47.25	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	10.81 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
10:00	6.61	15.47	5.17	0.276	9.5	0	
10:00	6.53	15.87	4.54	0.273	6.5	2.5	
10:01	6.30	16.19	4.06	0.269	1.0	5	
10:02	6.28	16.19	4.04	0.269	0.3	10	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	MW-6
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	10:30
Depth to Water:	41.34	Quarter:	4	Time sampled:	10:35
Depth to Bottom:	47.93	Casing Diameter:	4 in	Static Volume:	6.59
Well Depth:	48.05	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	13.05 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
10:30	6.24	15.81	3.04	0.373	43.7	0	
10:31	6.15	16.17	2.59	0.414	21.6	5	
10:32	6.15	16.43	2.33	0.415	16.3	10	
10:33	6.15	16.59	2.17	0.413	6.0	15	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	MW-7
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	9:10
Depth to Water:	40.71	Quarter:	Annual	Time sampled:	9:15
Depth to Bottom:	47.44	Casing Diameter:	4 in	Static Volume:	6.73
Well Depth:	47.67	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	13.33 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
9:10	6.10	15.81	1.90	0.312	10.5	0	
9:10	5.86	16.61	1.63	0.303	3.1	2.5	
9:11	5.86	16.63	1.62	0.306	3.9	7.5	
9:12	5.91	16.62	1.63	0.310	5.2	12.5	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	MW-8
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	8:45
Depth to Water:	40.51	Quarter:	Annual	Time sampled:	9:05
Depth to Bottom:	76.13	Casing Diameter:	4 in	Static Volume:	35.62
Well Depth:	76.11	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	70.53 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
8:45	6.71	15.60	3.88	0.287	13.7	0	
8:49	6.97	16.52	1.72	0.37	47.2	25	
8:54	6.37	16.51	1.41	0.365	29.8	50	
8:59	6.20	16.51	1.34	0.363	15.9	70	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	MW-9
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	15:20
Depth to Water:	39.20	Quarter:	Annual	Time sampled:	16:50
Depth to Bottom:	178.00	Casing Diameter:	4 in	Static Volume:	138.80
Well Depth:	174.97	Flow Rate:	10 gpm		
Minimum Volume to be Purged:*	274.82 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
15:20	5.97	15.39	3.02	0.112	4.8	0	
15:45	6.05	16.37	1.20	0.082	0.0	90	
16:10	6.13	16.12	1.40	0.101	5.1	180	
16:40	5.67	15.72	0.99	0.353	8.0	275	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	SP-3
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	13:50
Depth to Water:	39.44	Quarter:	Annual	Time sampled:	13:54
Depth to Bottom:	43.02	Casing Diameter:	4 in	Static Volume:	3.58
Well Depth:	44.22	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	7.09 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
13:50	6.04	15.53	11.62	0.167	31.7	0	
13:50	6.06	16.53	8.18	0.069	111	2.5	
13:51	5.89	16.85	6.78	0.114	145	5	
13:52	5.80	17.03	6.06	0.181	319	7.5	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	SP-4
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	14:02
Depth to Water:	40.92	Quarter:	4	Time sampled:	14:05
Depth to Bottom:	43.67	Casing Diameter:	4 in	Static Volume:	2.75
Well Depth:	44.51	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	5.45 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
14:02	6.09	16.83	2.43	0.230	393	0	
14:02	6.05	16.96	2.12	0.241	218	2.5	
14:03	6.07	17.03	1.91	0.244	134	5	
14:03	6.08	17.06	1.77	0.246	76.0	6	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	SP-5
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	
Depth to Water:		Quarter:	Annual	Time sampled:	NS
Depth to Bottom:		Casing Diameter:	4 in	Static Volume:	0.00
Well Depth:	43.44	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
							Well unaccessible, no sample collected.

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	SP-6
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	14:35
Depth to Water:	42.91	Quarter:	4	Time sampled:	14:40
Depth to Bottom:	46.50	Casing Diameter:	4 in	Static Volume:	3.59
Well Depth:	46.30	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	7.11 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
14:35	6.27	5.65	5.65	0.223	31.3	0	
14:35	6.29	5.82	5.82	0.22	51.6	2.5	
14:36	6.38	5.95	5.95	0.22	92.0	5	
14:37	6.39	5.98	5.98	0.222	89.9	7.5	

P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716

Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	GW-1
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	15:05
Depth to Water:	42.22	Quarter:	4	Time sampled:	15:10
Depth to Bottom:	50.50	Casing Diameter:	2 in	Static Volume:	8.28
Well Depth:	50.11	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	4.06 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
15:05	6.22	15.81	2.71	0.314	9.6	0	
15:05	6.19	15.62	3.58	0.278	4.5	2.5	
15:06	6.12	15.85	3.72	0.265	3.5	5	
15:06	6.05	16.10	3.77	0.258	2.1	6	

P.W. Grosser Consulting, Inc.

630 Johnson Avenue, Suite 7
Bohemia, New York 11716

Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	GW-2
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	14:50
Depth to Water:	43.42	Quarter:	4	Time sampled:	14:55
Depth to Bottom:	53.19	Casing Diameter:	2 in	Static Volume:	9.77
Well Depth:	54.28	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	4.79 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
14:50	6.36	16.09	2.91	0.346	25.3	0	
14:50	6.32	16.36	2.85	0.346	19.7	2.5	
14:51	6.29	16.60	2.81	0.345	13.5	5	
14:51	6.27	16.57	2.79	0.344	10.9	6	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	GW-3
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	14:22
Depth to Water:	43.64	Quarter:	Annual	Time sampled:	14:25
Depth to Bottom:	51.80	Casing Diameter:	4 in	Static Volume:	8.16
Well Depth:	51.88	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	16.2 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
14:22	6.17	16.72	1.86	0.314	7.2	0	
14:22	6.20	16.75	2.18	0.315	4.1	5	
14:23	6.24	16.85	2.40	0.315	2.4	10	
14:23	6.25	16.92	2.57	0.314	0.9	15	

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Groundwater Sampling Data Sheet

Project Name:	Minmilt Realty	Project No.	MIN1001	Well No.	SCDHS
Sampler(s):	BB/AR	Date:	11/14/2013	Time started:	12:52
Depth to Water:	38.00	Quarter:	Annual	Time sampled:	12:58
Depth to Bottom:	49.10	Casing Diameter:	2 in	Static Volume:	11.10
Well Depth:	49.62	Flow Rate:	5 gpm		
Minimum Volume to be Purged:*	21.98 gallons	Evacuation Technique:	Submersible Pump		

Field Parameters:							
Time	pH	Temperature (^{o}C)	Dissolved Oxygen (mg/L)	Conductivity (µS)	Turbidity (NTU)	Gallons Purged (g)	Notes:
12:52	6.26	15.75	5.41	0.270	145	0	
12:53	6.04	16.49	4.92	0.262	117	5	
12:54	6.00	16.63	4.68	0.262	64.0	10	
12:56	6.00	16.66	4.48	0.262	47.3	20	

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-001
Client Sample ID: MW-4

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 8:35:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Bromomethane	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Chloroethane	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Chloromethane	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Tetrachloroethene	1.6		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/18/2013 6:19 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/18/2013 6:19 PM	Container-01 of 02

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r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/20/2013

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 8:35:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-001
Client Sample ID: MW-4

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/18/2013 6:19 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	80.7		1	%REC	Limit	53-183	11/18/2013 6:19 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	76.5		1	%REC	Limit	63-140	11/18/2013 6:19 PM	Container-01 of 02
Surr: Toluene-d8	83.8		1	%REC	Limit	60-135	11/18/2013 6:19 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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Joann M. Slavin
Laboratory Manager

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NYSDOH ID#10478

LABORATORY RESULTS

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-002
Client Sample ID: MW-8

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 9:05:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Acetone	2.0	cS	1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Bromomethane	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Chloroethane	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Chloromethane	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/18/2013 6:47 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/18/2013 6:47 PM	Container-01 of 02

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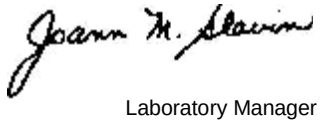

Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 9:05:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-002
Client Sample ID: MW-8

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/18/2013 6:47 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	81.2		1	%REC	Limit	53-183	11/18/2013 6:47 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	76.9		1	%REC	Limit	63-140	11/18/2013 6:47 PM	Container-01 of 02
Surr: Toluene-d8	84.5		1	%REC	Limit	60-135	11/18/2013 6:47 PM	Container-01 of 02

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NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-003
Client Sample ID: MW-7

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 9:15:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Bromomethane	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Chloroethane	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Chloromethane	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/18/2013 7:16 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/18/2013 7:16 PM	Container-01 of 02

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Laboratory Manager

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LABORATORY RESULTS

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 9:15:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-003
Client Sample ID: MW-7

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/18/2013 7:16 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	82.1		1	%REC	Limit	53-183	11/18/2013 7:16 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	75.1		1	%REC	Limit	63-140	11/18/2013 7:16 PM	Container-01 of 02
Surr: Toluene-d8	83.3		1	%REC	Limit	60-135	11/18/2013 7:16 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-004
Client Sample ID: MW-3

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 9:26:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Bromomethane	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Chloroethane	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Chloromethane	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Tetrachloroethene	1.9		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/18/2013 7:45 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/18/2013 7:45 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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Joann M. Slavin
Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 9:26:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-004
Client Sample ID: MW-3

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/18/2013 7:45 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	81.3		1	%REC	Limit	53-183	11/18/2013 7:45 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	76.7		1	%REC	Limit	63-140	11/18/2013 7:45 PM	Container-01 of 02
Surr: Toluene-d8	84.1		1	%REC	Limit	60-135	11/18/2013 7:45 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
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J = Estimated value - below calibration range
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Joann M. Slavin
Laboratory Manager

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Date Reported : 11/20/2013

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575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-005
Client Sample ID: MW-2

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 9:50:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Bromomethane	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Chloroethane	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Chloroform	1.2		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Chloromethane	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/18/2013 8:14 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/18/2013 8:14 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
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Joann M. Slavin
Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 9:50:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-005
Client Sample ID: MW-2

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/18/2013 8:14 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	82.4		1	%REC	Limit	53-183	11/18/2013 8:14 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	75.6		1	%REC	Limit	63-140	11/18/2013 8:14 PM	Container-01 of 02
Surr: Toluene-d8	84.0		1	%REC	Limit	60-135	11/18/2013 8:14 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Joann M. Slavin
Laboratory Manager

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Date Reported : 11/20/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-006
Client Sample ID: MW-5

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 10:05:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Bromomethane	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Chloroethane	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Chloromethane	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/18/2013 8:42 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/18/2013 8:42 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
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+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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S = Recovery exceeded control limits for this analyte
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Joann M. Slavin
Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Collected : 11/15/2013 10:05:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-006
Client Sample ID: MW-5

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/18/2013 8:42 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	82.0		1	%REC	Limit	53-183	11/18/2013 8:42 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	74.9		1	%REC	Limit	63-140	11/18/2013 8:42 PM	Container-01 of 02
Surr: Toluene-d8	82.9		1	%REC	Limit	60-135	11/18/2013 8:42 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

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575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-007
Client Sample ID: MW-1

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 10:20:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Bromomethane	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Chloroethane	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Chloroform	1.1		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Chloromethane	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/18/2013 9:11 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/18/2013 9:11 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Collected : 11/15/2013 10:20:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-007
Client Sample ID: MW-1

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/18/2013 9:11 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	80.4		1	%REC	Limit	53-183	11/18/2013 9:11 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	75.4		1	%REC	Limit	63-140	11/18/2013 9:11 PM	Container-01 of 02
Surr: Toluene-d8	83.5		1	%REC	Limit	60-135	11/18/2013 9:11 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/20/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-008
Client Sample ID: MW-6

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 10:35:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Tetrachloroethene	1.1		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/19/2013 3:51 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 3:51 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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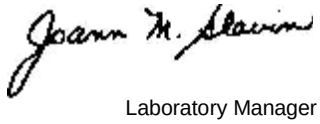
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Collected : 11/15/2013 10:35:00 AM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-008
Client Sample ID: MW-6

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 3:51 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	83.4		1	%REC	Limit	53-183	11/19/2013 3:51 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	75.4		1	%REC	Limit	63-140	11/19/2013 3:51 PM	Container-01 of 02
Surr: Toluene-d8	84.0		1	%REC	Limit	60-135	11/19/2013 3:51 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

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Date Reported : 11/20/2013

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A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-009
Client Sample ID: SCDHS

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 12:50:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Chloroform	1.2		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Tetrachloroethene	5.3		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Trichloroethene	1.1		1	µg/L	11/19/2013 4:20 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 4:20 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
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J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Collected : 11/15/2013 12:50:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-009
Client Sample ID: SCDHS

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 4:20 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	82.7		1	%REC	Limit	53-183	11/19/2013 4:20 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	74.9		1	%REC	Limit	63-140	11/19/2013 4:20 PM	Container-01 of 02
Surr: Toluene-d8	82.3		1	%REC	Limit	60-135	11/19/2013 4:20 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
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J = Estimated value - below calibration range
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Joann M. Slavin
Laboratory Manager

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Date Reported : 11/20/2013

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575 Broad Hollow Road , Melville, NY 11747
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NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-010
Client Sample ID: ML-1A

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 1:05:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
1,2-Dichloroethene (total)	41		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Tetrachloroethene	1.2		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Trichloroethene	5.4		1	µg/L	11/19/2013 2:25 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 2:25 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
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r = Reporting limit > MDL and < LOQ, Value estimated.
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N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 1:05:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-010
Client Sample ID: ML-1A

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 2:25 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	82.2		1	%REC	Limit	53-183	11/19/2013 2:25 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	75.0		1	%REC	Limit	63-140	11/19/2013 2:25 PM	Container-01 of 02
Surr: Toluene-d8	83.3		1	%REC	Limit	60-135	11/19/2013 2:25 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
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Joann M. Slavin
Laboratory Manager

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Date Reported : 11/20/2013

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A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-011
Client Sample ID: ML-1B

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 1:10:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
1,2-Dichloroethene (total)	110		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Trichloroethene	4.4		1	µg/L	11/19/2013 2:54 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 2:54 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 1:10:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-011
Client Sample ID: ML-1B

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 2:54 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	82.3		1	%REC	Limit	53-183	11/19/2013 2:54 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	76.4		1	%REC	Limit	63-140	11/19/2013 2:54 PM	Container-01 of 02
Surr: Toluene-d8	84.2		1	%REC	Limit	60-135	11/19/2013 2:54 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Joann M. Slavin
Laboratory Manager

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Date Reported : 11/20/2013

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-012
Client Sample ID: ML-1C

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 1:15:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
1,2-Dichloroethene (total)	37		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Acetone	1.4	c	1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Trichloroethene	1.4		1	µg/L	11/19/2013 4:49 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 4:49 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 1:15:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-012
Client Sample ID: ML-1C

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 4:49 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	81.8		1	%REC	Limit	53-183	11/19/2013 4:49 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	74.5		1	%REC	Limit	63-140	11/19/2013 4:49 PM	Container-01 of 02
Surr: Toluene-d8	83.2		1	%REC	Limit	60-135	11/19/2013 4:49 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Joann M. Slavin
Laboratory Manager

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575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-013
Client Sample ID: SP-3

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 1:54:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Chloroform	1.3		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Tetrachloroethene	1.3		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/19/2013 5:18 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 5:18 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

ECOTEST LABORATORIES
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575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 1:54:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-013
Client Sample ID: SP-3

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 5:18 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	83.8		1	%REC	Limit	53-183	11/19/2013 5:18 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	75.8		1	%REC	Limit	63-140	11/19/2013 5:18 PM	Container-01 of 02
Surr: Toluene-d8	83.3		1	%REC	Limit	60-135	11/19/2013 5:18 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
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Laboratory Manager

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Date Reported : 11/20/2013

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-014
Client Sample ID: SP-4

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 2:05:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Tetrachloroethene	2.4		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/19/2013 5:47 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 5:47 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
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Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 2:05:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-014
Client Sample ID: SP-4

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 5:47 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	83.4		1	%REC	Limit	53-183	11/19/2013 5:47 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	75.9		1	%REC	Limit	63-140	11/19/2013 5:47 PM	Container-01 of 02
Surr: Toluene-d8	84.3		1	%REC	Limit	60-135	11/19/2013 5:47 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/20/2013

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NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-015
Client Sample ID: GW-3

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 2:25:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/19/2013 6:16 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 6:16 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
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S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

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575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 2:25:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-015
Client Sample ID: GW-3

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 6:16 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	81.9		1	%REC	Limit	53-183	11/19/2013 6:16 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	74.8		1	%REC	Limit	63-140	11/19/2013 6:16 PM	Container-01 of 02
Surr: Toluene-d8	82.8		1	%REC	Limit	60-135	11/19/2013 6:16 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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Joann M. Slavin
Laboratory Manager

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Date Reported : 11/20/2013

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NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-016
Client Sample ID: SP-6

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 2:40:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Tetrachloroethene	26		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/19/2013 6:44 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 6:44 PM	Container-01 of 02

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Joann M. Slavin
Laboratory Manager

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NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 2:40:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-016
Client Sample ID: SP-6

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 6:44 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	83.0		1	%REC	Limit	53-183	11/19/2013 6:44 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	76.3		1	%REC	Limit	63-140	11/19/2013 6:44 PM	Container-01 of 02
Surr: Toluene-d8	84.0		1	%REC	Limit	60-135	11/19/2013 6:44 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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c = Calibration acceptability criteria exceeded for this analyte
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Date Reported : 11/20/2013

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Collected : 11/15/2013 2:55:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-017
Client Sample ID: GW-2

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/19/2013 7:13 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 7:13 PM	Container-01 of 02

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Joann M. Slavin
Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 2:55:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-017
Client Sample ID: GW-2

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 7:13 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	83.0		1	%REC	Limit	53-183	11/19/2013 7:13 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	75.5		1	%REC	Limit	63-140	11/19/2013 7:13 PM	Container-01 of 02
Surr: Toluene-d8	83.2		1	%REC	Limit	60-135	11/19/2013 7:13 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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NYSDOH ID#10478

LABORATORY RESULTS

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-018
Client Sample ID: GW-1

Sample Information:
Type : Groundwater

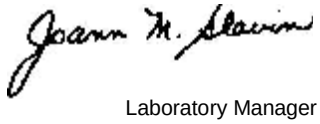
Origin:

Collected : 11/15/2013 3:10:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	11/19/2013 7:42 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 7:42 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 3:10:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-018
Client Sample ID: GW-1

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 7:42 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	81.7		1	%REC	Limit	53-183	11/19/2013 7:42 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	74.5		1	%REC	Limit	63-140	11/19/2013 7:42 PM	Container-01 of 02
Surr: Toluene-d8	83.1		1	%REC	Limit	60-135	11/19/2013 7:42 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/20/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1311840-019
Client Sample ID: MW-9

Sample Information:
Type : Groundwater

Origin:

Collected : 11/15/2013 4:50:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Bromomethane	< 1.0	c	1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Chloroethane	< 1.0	c	1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Chloromethane	< 1.0	c	1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Tetrachloroethene	1.9		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Trichloroethene	4.1		1	µg/L	11/19/2013 8:11 PM	Container-01 of 02
Vinyl chloride	< 1.0	c	1	µg/L	11/19/2013 8:11 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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H = Received/analyzed outside of analytical holding time
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Joann M. Slavin
Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 4:50:00 PM
Received : 11/15/2013 5:22:00 PM
Collected By BB99

Lab No. : 1311840-019
Client Sample ID: MW-9

Sample Information:
Type : Groundwater

Origin:

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			11/19/2013 8:11 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	83.5		1	%REC	Limit	53-183	11/19/2013 8:11 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	77.4		1	%REC	Limit	63-140	11/19/2013 8:11 PM	Container-01 of 02
Surr: Toluene-d8	83.8		1	%REC	Limit	60-135	11/19/2013 8:11 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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c = Calibration acceptability criteria exceeded for this analyte
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S = Recovery exceeded control limits for this analyte
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Joann M. Slavin
Laboratory Manager

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Date Reported : 11/20/2013

H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **PWG-ECO** Date and Time Received: **11/15/2013 5:22:00 PM**

Work Order Number: **1311840** RcptNo: **1** Received by **MelissaWatson**

Completed by: M - Wat Reviewed by: Jennifer Cr

Completed Date: 11/15/2013 Reviewed Date: 11/19/2013 10:46:44 AM

Carrier name: Client

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	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☑	No	☐	NA	☐
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	To 2.4 º	
Water - Were bubbles absent in VOC vials?	Yes	☑	No	☐	No Vials	☐
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☑	No	☐	No Water	☐
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bil	☐	Sticker	☐	Not Present	☑
Airbill No:						

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

PWGC
Strategic Environmental Engineering Solutions

APPENDIX B
GROUNDWATER REMEDIAL SYSTEM ROUTINE INFLUENT & EFFLUENT DATA AND MONITORING/MAINTENANCE SHEETS

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 10/28/2013 2:40:00 PM
Received : 10/28/2013 3:25:00 PM
Collected By AR99

Lab No. : 1310F14-001
Client Sample ID: SYS-INF

Sample Information:
Type : Aqueous

Origin: Influent

Analytical Method: E200.7 : Prep Method: E200.7 Prep Date: 11/4/2013 1:10:00 PM Analyst: Aba

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Iron	0.32		1	mg/L	11/08/2013 1:58 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/13/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Lab No. : 1310F14-001
Client Sample ID: SYS-INF

Sample Information:
Type : Aqueous

Origin: Influent

Collected : 10/28/2013 2:40:00 PM
Received : 10/28/2013 3:25:00 PM
Collected By AR99

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 20	Dc	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
1,1,2-Trichloroethane	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
1,1-Dichloroethane	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
1,1-Dichloroethene	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
1,2-Dichloroethane	< 20	Dc	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
1,2-Dichloropropane	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
2-Butanone	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
2-Hexanone	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
4-Methyl-2-pentanone	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Acetone	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Benzene	< 14	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Bromodichloromethane	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Bromoform	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Bromomethane	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Carbon disulfide	< 20	Dc	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Carbon tetrachloride	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Chlorobenzene	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Chloroethane	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Chloroform	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Chloromethane	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Dibromochloromethane	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Ethylbenzene	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Methylene chloride	< 20	Dc	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Styrene	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Tetrachloroethene	2,100	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Toluene	< 20	Dc	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 20	Dc	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Trichloroethene	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02
Vinyl chloride	< 20	D	20	µg/L	10/29/2013 4:11 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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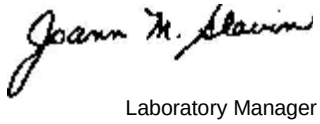
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/13/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 10/28/2013 2:40:00 PM
Received : 10/28/2013 3:25:00 PM
Collected By AR99

Lab No. : 1310F14-001
Client Sample ID: SYS-INF

Sample Information:
Type : Aqueous

Origin: Influent

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Xylene (total)	< 40	D	20	µg/L		10/29/2013 4:11 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	74.3	D	20	%REC	Limit 53-183	10/29/2013 4:11 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	77.8	D	20	%REC	Limit 63-140	10/29/2013 4:11 PM	Container-01 of 02
Surr: Toluene-d8	80.6	D	20	%REC	Limit 60-135	10/29/2013 4:11 PM	Container-01 of 02

Analytical Method: SM4500-H B : IOC Analyst: MW

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
pH	5.0	H +	1	pH Units	10/28/2013 7:01 PM	Container-01 of 01
pH Temperature	20.1	H +	1	°C	10/28/2013 7:01 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

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Date Reported : 11/13/2013

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A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 10/28/2013 2:50:00 PM
Received : 10/28/2013 3:25:00 PM
Collected By AR99

Lab No. : 1310F14-002
Client Sample ID: SYS-EFF

Sample Information:
Type : Aqueous

Origin: Effluent

Analytical Method: E200.7 : Prep Method: E200.7 Prep Date: 11/4/2013 1:10:00 PM Analyst: Aba

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Iron	0.13		1	mg/L	11/08/2013 2:02 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Collected : 10/28/2013 2:50:00 PM
Received : 10/28/2013 3:25:00 PM
Collected By AR99

Lab No. : 1310F14-002
Client Sample ID: SYS-EFF

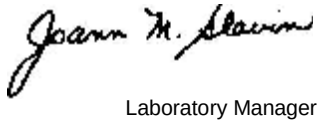
Sample Information:
Type : Aqueous

Origin: Effluent

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0	c	1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0	c	1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Acetone	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Bromoform	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Bromomethane	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Carbon disulfide	< 1.0	c	1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Carbon tetrachloride	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Chloroethane	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Chloromethane	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Dibromochloromethane	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Methylene chloride	< 1.0	c	1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Toluene	< 1.0	c	1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0	c	1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02
Vinyl chloride	< 1.0		1	µg/L	10/29/2013 3:41 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound



Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/13/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 10/28/2013 2:50:00 PM
Received : 10/28/2013 3:25:00 PM
Collected By AR99

Lab No. : 1310F14-002
Client Sample ID: SYS-EFF

Sample Information:
Type : Aqueous

Origin: Effluent

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			10/29/2013 3:41 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	74.3		1	%REC	Limit	53-183	10/29/2013 3:41 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	77.7		1	%REC	Limit	63-140	10/29/2013 3:41 PM	Container-01 of 02
Surr: Toluene-d8	80.0		1	%REC	Limit	60-135	10/29/2013 3:41 PM	Container-01 of 02

Analytical Method: SM4500-H B : IOC Analyst: MW

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
pH	6.8	H +	1	pH Units	10/28/2013 7:04 PM	Container-01 of 01
pH Temperature	20.3	H +	1	°C	10/28/2013 7:04 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/13/2013

H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **PWG-ECO** Date and Time Received: **10/28/2013 3:25:00 PM**

Work Order Number: **1310F14** RcptNo: **1** Received by **Linda Siciliano**

Completed by: Reviewed by:

Completed Date: 10/28/2013 Reviewed Date: 10/30/2013 4:53:36 PM

Carrier name: Client

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	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☐	No	☑		
Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☑	No	☐	NA	☐
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	To 0.2 º	
Water - Were bubbles absent in VOC vials?	Yes	☑	No	☐	No Vials	☐
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☑	No	☐	No Water	☐
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bil	☐	Sticker	☐	Not Present	☑
Airbill No:						

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

The samples for pH were received outside the analytical holdtime.

CorrectiveAction:

ECOTEST LABORATORIES
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NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 10:50:00 AM
Received : 11/15/2013 5:14:00 PM
Collected By CLIENT

Lab No. : 1311841-001
Client Sample ID: SVE

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	2.40	ppbv		1	13.1	µg/m³	11/19/2013 6:47 AM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	11/19/2013 6:47 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	0.23	ppbv		1	1.76	µg/m³	11/19/2013 6:47 AM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	11/19/2013 6:47 AM
1,1-Dichloroethane	3.71	ppbv		1	15.0	µg/m³	11/19/2013 6:47 AM
1,1-Dichloroethene	0.28	ppbv		1	1.11	µg/m³	11/19/2013 6:47 AM
1,2,4-Trimethylbenzene	5.70	ppbv		1	28.0	µg/m³	11/19/2013 6:47 AM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	11/19/2013 6:47 AM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	11/19/2013 6:47 AM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	11/19/2013 6:47 AM
1,2-Dichloroethene (cis)	60.0	ppbv	D	30	238	µg/m³	11/20/2013 9:44 PM
1,2-Dichloroethene (trans)	0.90	ppbv		1	3.57	µg/m³	11/19/2013 6:47 AM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	11/19/2013 6:47 AM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	11/19/2013 6:47 AM
1,3,5-Trimethylbenzene	1.65	ppbv		1	8.11	µg/m³	11/19/2013 6:47 AM
1,3-Butadiene	< 0.20	ppbv		1	< 0.44	µg/m³	11/19/2013 6:47 AM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	11/19/2013 6:47 AM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	11/19/2013 6:47 AM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	11/19/2013 6:47 AM
1,3-Hexachlorobutadiene	0.26	ppbv		1	2.77	µg/m³	11/19/2013 6:47 AM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	11/19/2013 6:47 AM
1,4-Dioxane	< 0.20	ppbv		1	< 0.72	µg/m³	11/19/2013 6:47 AM
2,2,4-Trimethylpentane	0.26	ppbv		1	1.21	µg/m³	11/19/2013 6:47 AM
3-Hexanone	< 0.20	ppbv		1	No M.W. Data		11/19/2013 6:47 AM
4-Ethyltoluene	1.60	ppbv	+	1	7.87	µg/m³	11/19/2013 6:47 AM
Acetone	4.75	ppbv		1	11.3	µg/m³	11/19/2013 6:47 AM
Acrylonitrile	< 0.20	ppbv		1	< 0.43	µg/m³	11/19/2013 6:47 AM
Allyl Chloride	< 0.20	ppbv		1	< 0.63	µg/m³	11/19/2013 6:47 AM
Benzene	0.25	ppbv		1	0.80	µg/m³	11/19/2013 6:47 AM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	11/19/2013 6:47 AM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	11/19/2013 6:47 AM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	11/19/2013 6:47 AM
Carbon disulfide	0.78	ppbv		1	2.43	µg/m³	11/19/2013 6:47 AM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	11/19/2013 6:47 AM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	11/19/2013 6:47 AM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
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N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/25/2013

ECOTEST LABORATORIES
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575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 10:50:00 AM
Received : 11/15/2013 5:14:00 PM
Collected By CLIENT

Lab No. : 1311841-001
Client Sample ID: SVE

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	11/19/2013 6:47 AM
Chloroform	2.09	ppbv		1	10.2	µg/m³	11/19/2013 6:47 AM
Chloromethane	0.86	ppbv		1	1.78	µg/m³	11/19/2013 6:47 AM
Cyclohexane	< 0.20	ppbv		1	< 0.69	µg/m³	11/19/2013 6:47 AM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	11/19/2013 6:47 AM
Dichlorodifluoromethane	2.31	ppbv	c	1	11.4	µg/m³	11/19/2013 6:47 AM
Ethanol	17.5	ppbv	+	1	33.0	µg/m³	11/19/2013 6:47 AM
Ethyl acetate	< 0.20	ppbv	+	1	< 0.72	µg/m³	11/19/2013 6:47 AM
Ethylbenzene	1.73	ppbv		1	7.51	µg/m³	11/19/2013 6:47 AM
Isopropanol	0.79	ppbv		1	1.94	µg/m³	11/19/2013 6:47 AM
Methyl ethyl ketone	1.60	ppbv		1	4.72	µg/m³	11/19/2013 6:47 AM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	11/19/2013 6:47 AM
Methylene chloride	0.80	ppbv	S	1	3.11	µg/m³	11/19/2013 6:47 AM
n-Heptane	0.44	ppbv		1	1.80	µg/m³	11/19/2013 6:47 AM
n-Hexane	0.35	ppbv		1	1.23	µg/m³	11/19/2013 6:47 AM
Propylene	2.26	ppbv	+	1	3.89	µg/m³	11/19/2013 6:47 AM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	11/19/2013 6:47 AM
tert-Butyl Alcohol	< 0.20	ppbv		1	< 0.61	µg/m³	11/19/2013 6:47 AM
Tetrachloroethene	267	ppbv	D	30	1810	µg/m³	11/20/2013 9:44 PM
Tetrahydrofuran	1.31	ppbv	+	1	3.86	µg/m³	11/19/2013 6:47 AM
Toluene	3.17	ppbv		1	11.9	µg/m³	11/19/2013 6:47 AM
Trichloroethene	27.6	ppbv		1	148	µg/m³	11/19/2013 6:47 AM
Trichlorofluoromethane	0.54	ppbv		1	3.03	µg/m³	11/19/2013 6:47 AM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	11/19/2013 6:47 AM
Vinyl bromide	< 0.20	ppbv		1	< 0.87	µg/m³	11/19/2013 6:47 AM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	11/19/2013 6:47 AM
Xylenes (m&p)	6.44	ppbv		1	28.0	µg/m³	11/19/2013 6:47 AM
Xylenes (o)	2.79	ppbv		1	12.1	µg/m³	11/19/2013 6:47 AM
Surr: 4-Bromofluorobenzene	82.7	%REC	Limit 70-130		No M.W. Data		11/19/2013 6:47 AM

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Joann M. Slavin
Laboratory Manager

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Date Reported : 11/25/2013

H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **PWG-ECO** Date and Time Received: **11/15/2013 5:14:00 PM**

Work Order Number: **1311841** RcptNo: **1** Received by **MelissaWatson**

Completed by: M - Wat Reviewed by: Jennifer Cr

Completed Date: 11/15/2013 Reviewed Date: 11/19/2013 10:48:14 AM

Carrier name: Client

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	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☐	No	☐	NA	☑
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☐	No	☐	NA	☑
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☐	No	☑	To	º
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	No Water	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bil	☐	Sticker	☐	Not Present	☑
Airbill No:						

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 12/17/2013 2:40:00 PM
Received : 12/17/2013 3:50:00 PM
Collected By AR99

Lab No. : 1312980-001
Client Sample ID: SYS-INF

Sample Information:
Type : Aqueous

Origin: Influent

Analytical Method: E200.7 : Prep Method: E200.7 Prep Date: 12/18/2013 8:23:26 AM Analyst: Aba

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Iron	0.62		1	mg/L	12/26/2013 3:57 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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c = Calibration acceptability criteria exceeded for this analyte
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Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 12/31/2013

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

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Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Collected : 12/17/2013 2:40:00 PM
Received : 12/17/2013 3:50:00 PM
Collected By AR99

Lab No. : 1312980-001
Client Sample ID: SYS-INF

Sample Information:
Type : Aqueous

Origin: Influent

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
1,1,2,2-Tetrachloroethane	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
1,1,2-Trichloroethane	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
1,1-Dichloroethane	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
1,1-Dichloroethene	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
1,2-Dichloroethane	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
1,2-Dichloroethene (total)	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
1,2-Dichloropropane	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
2-Butanone	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
2-Hexanone	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
4-Methyl-2-pentanone	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Acetone	< 20	Dc	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Benzene	< 14	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Bromodichloromethane	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Bromoform	< 20	Dc	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Bromomethane	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Carbon disulfide	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Carbon tetrachloride	< 20	Dc	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Chlorobenzene	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Chloroethane	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Chloroform	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Chloromethane	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
cis-1,3-Dichloropropene	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Dibromochloromethane	< 20	Dc	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Ethylbenzene	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Methylene chloride	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Styrene	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Tetrachloroethene	2,600	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Toluene	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
trans-1,3-Dichloropropene	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Trichloroethene	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02
Vinyl chloride	< 20	D	20	µg/L	12/27/2013 6:30 PM	Container-02 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 12/31/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 12/17/2013 2:40:00 PM
Received : 12/17/2013 3:50:00 PM
Collected By AR99

Lab No. : 1312980-001
Client Sample ID: SYS-INF

Sample Information:
Type : Aqueous

Origin: Influent

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Xylene (total)	< 40	D	20	µg/L		12/27/2013 6:30 PM	Container-02 of 02
Surr: 1,2-Dichloroethane-d4	97.3	D	20	%REC	Limit 53-183	12/27/2013 6:30 PM	Container-02 of 02
Surr: 4-Bromofluorobenzene	81.4	D	20	%REC	Limit 63-140	12/27/2013 6:30 PM	Container-02 of 02
Surr: Toluene-d8	91.5	D	20	%REC	Limit 60-135	12/27/2013 6:30 PM	Container-02 of 02

Analytical Method: SM4500-H B : IOC Analyst: AW

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
pH	5.5	H +	1	pH Units	12/17/2013 5:30 PM	Container-01 of 01
pH Temperature	12.7	H +	1	°C	12/17/2013 5:30 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

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NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 12/17/2013 2:45:00 PM
Received : 12/17/2013 3:50:00 PM
Collected By AR99

Lab No. : 1312980-002
Client Sample ID: SYS-EFF

Sample Information:
Type : Aqueous

Origin: Effluent

Analytical Method: E200.7 : Prep Method: E200.7 Prep Date: 12/18/2013 8:23:26 AM Analyst: Aba

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Iron	0.05		1	mg/L	12/26/2013 4:02 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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c = Calibration acceptability criteria exceeded for this analyte
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Joann M. Slavin
Laboratory Manager

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LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus

Collected : 12/17/2013 2:45:00 PM
Received : 12/17/2013 3:50:00 PM
Collected By AR99

Lab No. : 1312980-002
Client Sample ID: SYS-EFF

Sample Information:
Type : Aqueous

Origin: Effluent

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
1,1,2-Trichloroethane	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
1,1-Dichloroethane	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
1,1-Dichloroethene	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
1,2-Dichloroethane	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
1,2-Dichloropropane	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
2-Butanone	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
2-Hexanone	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
4-Methyl-2-pentanone	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Acetone	< 1.0	c	1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Benzene	< 0.70		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Bromodichloromethane	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Bromoform	< 1.0	c	1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Bromomethane	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Carbon disulfide	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Carbon tetrachloride	< 1.0	c	1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Chlorobenzene	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Chloroethane	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Chloroform	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Chloromethane	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Dibromochloromethane	< 1.0	c	1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Ethylbenzene	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Methylene chloride	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Styrene	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Tetrachloroethene	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Toluene	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Trichloroethene	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02
Vinyl chloride	< 1.0		1	µg/L	12/27/2013 4:05 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.
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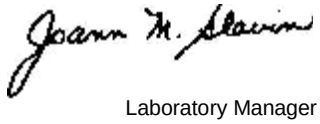

Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 12/31/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
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Collected : 12/17/2013 2:45:00 PM
Received : 12/17/2013 3:50:00 PM
Collected By AR99

Lab No. : 1312980-002
Client Sample ID: SYS-EFF

Sample Information:
Type : Aqueous

Origin: Effluent

Analytical Method: SW8260 : Prep Method: 5030C Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.0		1	µg/L			12/27/2013 4:05 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	90.5		1	%REC	Limit	53-183	12/27/2013 4:05 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	81.9		1	%REC	Limit	63-140	12/27/2013 4:05 PM	Container-01 of 02
Surr: Toluene-d8	88.8		1	%REC	Limit	60-135	12/27/2013 4:05 PM	Container-01 of 02

Analytical Method: SM4500-H B : IOC Analyst: AW

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
pH	7.1	H +	1	pH Units	12/17/2013 5:34 PM	Container-01 of 01
pH Temperature	13.1	H +	1	°C	12/17/2013 5:34 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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Joann M. Slavin
Laboratory Manager

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PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **PWG-ECO** Date and Time Received: **12/17/2013 3:50:00 PM**

Work Order Number: **1312980** RcptNo: **1** Received by **MelissaWatson**

Completed by: Reviewed by:

Completed Date: 12/17/2013 5:21:37 PM Reviewed Date: 12/23/2013 3:27:22 PM

Carrier name: Client

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	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☑	No	☐	NA	☐
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	To 2.7 º	
Water - Were bubbles absent in VOC vials?	Yes	☑	No	☐	No Vials	☐
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☑	No	☐	No Water	☐
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bil	☐	Sticker	☐	Not Present	☑
Airbill No:						

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

PWGC
Strategic Environmental Engineering Solutions

APPENDIX C
SVE REMEDIAL SYSTEM ROUTINE INFLUENT DATA

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 9/19/2013 8:30:00 AM
Received : 9/19/2013 11:56:00 AM
Collected By CLIENT

Lab No. : 1309C07-001
Client Sample ID: SVE

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	0.66	ppbv		1	3.60	µg/m³	09/27/2013 3:56 AM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	09/27/2013 3:56 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.20	ppbv		1	< 1.53	µg/m³	09/27/2013 3:56 AM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	09/27/2013 3:56 AM
1,1-Dichloroethane	1.45	ppbv		1	5.87	µg/m³	09/27/2013 3:56 AM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	09/27/2013 3:56 AM
1,2,4-Trimethylbenzene	0.71	ppbv		1	3.49	µg/m³	09/27/2013 3:56 AM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	09/27/2013 3:56 AM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	09/27/2013 3:56 AM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	09/27/2013 3:56 AM
1,2-Dichloroethene (cis)	37.8	ppbv		1	150	µg/m³	09/27/2013 3:56 AM
1,2-Dichloroethene (trans)	0.26	ppbv		1	1.03	µg/m³	09/27/2013 3:56 AM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	09/27/2013 3:56 AM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	09/27/2013 3:56 AM
1,3,5-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	09/27/2013 3:56 AM
1,3-Butadiene	< 0.20	ppbv		1	< 0.44	µg/m³	09/27/2013 3:56 AM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	09/27/2013 3:56 AM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	09/27/2013 3:56 AM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	09/27/2013 3:56 AM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	09/27/2013 3:56 AM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	09/27/2013 3:56 AM
1,4-Dioxane	< 0.20	ppbv		1	< 0.72	µg/m³	09/27/2013 3:56 AM
2,2,4-Trimethylpentane	0.35	ppbv		1	1.64	µg/m³	09/27/2013 3:56 AM
3-Hexanone	< 0.20	ppbv		1	No M.W. Data		09/27/2013 3:56 AM
4-Ethyltoluene	< 0.20	ppbv	+	1	< 0.98	µg/m³	09/27/2013 3:56 AM
Acetone	8.78	ppbv		1	20.9	µg/m³	09/27/2013 3:56 AM
Acrylonitrile	< 0.20	ppbv		1	< 0.43	µg/m³	09/27/2013 3:56 AM
Allyl Chloride	< 0.20	ppbv		1	< 0.63	µg/m³	09/27/2013 3:56 AM
Benzene	0.32	ppbv		1	1.02	µg/m³	09/27/2013 3:56 AM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	09/27/2013 3:56 AM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	09/27/2013 3:56 AM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	09/27/2013 3:56 AM
Carbon disulfide	0.21	ppbv		1	0.65	µg/m³	09/27/2013 3:56 AM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	09/27/2013 3:56 AM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	09/27/2013 3:56 AM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 10/1/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 9/19/2013 8:30:00 AM
Received : 9/19/2013 11:56:00 AM
Collected By CLIENT

Lab No. : 1309C07-001
Client Sample ID: SVE

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	09/27/2013 3:56 AM
Chloroform	0.67	ppbv		1	3.27	µg/m³	09/27/2013 3:56 AM
Chloromethane	0.79	ppbv		1	1.63	µg/m³	09/27/2013 3:56 AM
Cyclohexane	< 0.20	ppbv		1	< 0.69	µg/m³	09/27/2013 3:56 AM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	09/27/2013 3:56 AM
Dichlorodifluoromethane	0.85	ppbv		1	4.20	µg/m³	09/27/2013 3:56 AM
Ethanol	13.5	ppbv	+	1	25.4	µg/m³	09/27/2013 3:56 AM
Ethyl acetate	< 0.20	ppbv	+	1	< 0.72	µg/m³	09/27/2013 3:56 AM
Ethylbenzene	0.34	ppbv		1	1.48	µg/m³	09/27/2013 3:56 AM
Isopropanol	1.24	ppbv		1	3.05	µg/m³	09/27/2013 3:56 AM
Methyl ethyl ketone	1.05	ppbv		1	3.10	µg/m³	09/27/2013 3:56 AM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	09/27/2013 3:56 AM
Methylene chloride	0.57	ppbv		1	2.21	µg/m³	09/27/2013 3:56 AM
n-Heptane	0.23	ppbv		1	0.94	µg/m³	09/27/2013 3:56 AM
n-Hexane	0.95	ppbv		1	3.35	µg/m³	09/27/2013 3:56 AM
Propylene	2.44	ppbv	+	1	4.20	µg/m³	09/27/2013 3:56 AM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	09/27/2013 3:56 AM
tert-Butyl Alcohol	< 0.20	ppbv		1	< 0.61	µg/m³	09/27/2013 3:56 AM
Tetrachloroethene	89.8	ppbv	D	5	609	µg/m³	09/28/2013 3:55 AM
Tetrahydrofuran	0.35	ppbv	+	1	1.03	µg/m³	09/27/2013 3:56 AM
Toluene	2.39	ppbv		1	9.00	µg/m³	09/27/2013 3:56 AM
Trichloroethene	8.60	ppbv		1	46.2	µg/m³	09/27/2013 3:56 AM
Trichlorofluoromethane	0.36	ppbv		1	2.02	µg/m³	09/27/2013 3:56 AM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	09/27/2013 3:56 AM
Vinyl bromide	< 0.20	ppbv		1	< 0.87	µg/m³	09/27/2013 3:56 AM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	09/27/2013 3:56 AM
Xylenes (m&p)	1.43	ppbv		1	6.21	µg/m³	09/27/2013 3:56 AM
Xylenes (o)	0.65	ppbv		1	2.82	µg/m³	09/27/2013 3:56 AM
Surr: 4-Bromofluorobenzene	92.5	%REC	Limit 70-130		No M.W. Data		09/27/2013 3:56 AM

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **PWG-ECO** Date and Time Received: **9/19/2013 11:56:00 AM**

Work Order Number: **1309C07** RcptNo: **1** Received by **MelissaWatson**

Completed by: M - Wat Reviewed by: Jennifer Ca

Completed Date: 9/19/2013 Reviewed Date: 9/23/2013 3:20:05 PM

Carrier name: Client

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	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☐	No	☐	NA	☑
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☐	No	☐	NA	☑
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☐	No	☑	To	°
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	No Water	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bil	☐	Sticker	☐	Not Present	☑
Airbill No:						

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 10:50:00 AM
Received : 11/15/2013 5:14:00 PM
Collected By CLIENT

Lab No. : 1311841-001
Client Sample ID: SVE

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	2.40	ppbv		1	13.1	µg/m³	11/19/2013 6:47 AM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	11/19/2013 6:47 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	0.23	ppbv		1	1.76	µg/m³	11/19/2013 6:47 AM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	11/19/2013 6:47 AM
1,1-Dichloroethane	3.71	ppbv		1	15.0	µg/m³	11/19/2013 6:47 AM
1,1-Dichloroethene	0.28	ppbv		1	1.11	µg/m³	11/19/2013 6:47 AM
1,2,4-Trimethylbenzene	5.70	ppbv		1	28.0	µg/m³	11/19/2013 6:47 AM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	11/19/2013 6:47 AM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	11/19/2013 6:47 AM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	11/19/2013 6:47 AM
1,2-Dichloroethene (cis)	60.0	ppbv	D	30	238	µg/m³	11/20/2013 9:44 PM
1,2-Dichloroethene (trans)	0.90	ppbv		1	3.57	µg/m³	11/19/2013 6:47 AM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	11/19/2013 6:47 AM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	11/19/2013 6:47 AM
1,3,5-Trimethylbenzene	1.65	ppbv		1	8.11	µg/m³	11/19/2013 6:47 AM
1,3-Butadiene	< 0.20	ppbv		1	< 0.44	µg/m³	11/19/2013 6:47 AM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	11/19/2013 6:47 AM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	11/19/2013 6:47 AM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	11/19/2013 6:47 AM
1,3-Hexachlorobutadiene	0.26	ppbv		1	2.77	µg/m³	11/19/2013 6:47 AM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	11/19/2013 6:47 AM
1,4-Dioxane	< 0.20	ppbv		1	< 0.72	µg/m³	11/19/2013 6:47 AM
2,2,4-Trimethylpentane	0.26	ppbv		1	1.21	µg/m³	11/19/2013 6:47 AM
3-Hexanone	< 0.20	ppbv		1	No M.W. Data		11/19/2013 6:47 AM
4-Ethyltoluene	1.60	ppbv	+	1	7.87	µg/m³	11/19/2013 6:47 AM
Acetone	4.75	ppbv		1	11.3	µg/m³	11/19/2013 6:47 AM
Acrylonitrile	< 0.20	ppbv		1	< 0.43	µg/m³	11/19/2013 6:47 AM
Allyl Chloride	< 0.20	ppbv		1	< 0.63	µg/m³	11/19/2013 6:47 AM
Benzene	0.25	ppbv		1	0.80	µg/m³	11/19/2013 6:47 AM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	11/19/2013 6:47 AM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	11/19/2013 6:47 AM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	11/19/2013 6:47 AM
Carbon disulfide	0.78	ppbv		1	2.43	µg/m³	11/19/2013 6:47 AM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	11/19/2013 6:47 AM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	11/19/2013 6:47 AM

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+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/25/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

P.W. Grosser Engineer & Hydrogeologist
630 Johnson Avenue, Suite 7
Bohemia, NY 11716-2618
Attn To : Rocky Wenskus
Collected : 11/15/2013 10:50:00 AM
Received : 11/15/2013 5:14:00 PM
Collected By CLIENT

Lab No. : 1311841-001
Client Sample ID: SVE

Sample Information:
Type : Air

Origin:

Method: ETO-15 :

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	11/19/2013 6:47 AM
Chloroform	2.09	ppbv		1	10.2	µg/m³	11/19/2013 6:47 AM
Chloromethane	0.86	ppbv		1	1.78	µg/m³	11/19/2013 6:47 AM
Cyclohexane	< 0.20	ppbv		1	< 0.69	µg/m³	11/19/2013 6:47 AM
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	11/19/2013 6:47 AM
Dichlorodifluoromethane	2.31	ppbv	c	1	11.4	µg/m³	11/19/2013 6:47 AM
Ethanol	17.5	ppbv	+	1	33.0	µg/m³	11/19/2013 6:47 AM
Ethyl acetate	< 0.20	ppbv	+	1	< 0.72	µg/m³	11/19/2013 6:47 AM
Ethylbenzene	1.73	ppbv		1	7.51	µg/m³	11/19/2013 6:47 AM
Isopropanol	0.79	ppbv		1	1.94	µg/m³	11/19/2013 6:47 AM
Methyl ethyl ketone	1.60	ppbv		1	4.72	µg/m³	11/19/2013 6:47 AM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	11/19/2013 6:47 AM
Methylene chloride	0.80	ppbv	S	1	3.11	µg/m³	11/19/2013 6:47 AM
n-Heptane	0.44	ppbv		1	1.80	µg/m³	11/19/2013 6:47 AM
n-Hexane	0.35	ppbv		1	1.23	µg/m³	11/19/2013 6:47 AM
Propylene	2.26	ppbv	+	1	3.89	µg/m³	11/19/2013 6:47 AM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	11/19/2013 6:47 AM
tert-Butyl Alcohol	< 0.20	ppbv		1	< 0.61	µg/m³	11/19/2013 6:47 AM
Tetrachloroethene	267	ppbv	D	30	1810	µg/m³	11/20/2013 9:44 PM
Tetrahydrofuran	1.31	ppbv	+	1	3.86	µg/m³	11/19/2013 6:47 AM
Toluene	3.17	ppbv		1	11.9	µg/m³	11/19/2013 6:47 AM
Trichloroethene	27.6	ppbv		1	148	µg/m³	11/19/2013 6:47 AM
Trichlorofluoromethane	0.54	ppbv		1	3.03	µg/m³	11/19/2013 6:47 AM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	11/19/2013 6:47 AM
Vinyl bromide	< 0.20	ppbv		1	< 0.87	µg/m³	11/19/2013 6:47 AM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	11/19/2013 6:47 AM
Xylenes (m&p)	6.44	ppbv		1	28.0	µg/m³	11/19/2013 6:47 AM
Xylenes (o)	2.79	ppbv		1	12.1	µg/m³	11/19/2013 6:47 AM
Surr: 4-Bromofluorobenzene	82.7	%REC	Limit 70-130		No M.W. Data		11/19/2013 6:47 AM

Qualifiers:
E = Value above quantitation range, Value estimated.
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+ = ELAP / NELAC does not offer certification for this analyte
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N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/25/2013

H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **PWG-ECO** Date and Time Received: **11/15/2013 5:14:00 PM**

Work Order Number: **1311841** RcptNo: **1** Received by **MelissaWatson**

Completed by: M - Wat Reviewed by: Jennifer Cr

Completed Date: 11/15/2013 Reviewed Date: 11/19/2013 10:48:14 AM

Carrier name: Client

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	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☐	No	☐	NA	☑
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☐	No	☐	NA	☑
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☐	No	☑	To	º
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	No Water	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bil	☐	Sticker	☐	Not Present	☑
Airbill No:						

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction: