FW: Schenectady Sentinel Wells Report - 312 Broadway

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John,

On behalf of National Grid, I am submitting this report of findings for the sampling of the Sentinel Wells on 312 Broadway for your information and files.

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Sentinel Wells at 312 Broadway Schenectady, Clinton Street MGP Site Schenectady, New York

NYSDEC Site # V00474
Index #: D0-0001-0011

Submitted To:
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June 4, 2013
Project #102780-5-1508

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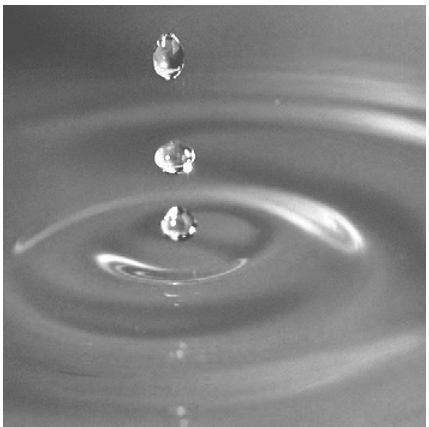

Engineer's Certification

In accordance with NYSDEC DER-10 Section 1.5 (b) 1,

I, John T. Finn, certify that I am currently a NYS registered professional engineer and that this Sentinel Wells Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

6/4/13

Engineer's Seal
GEI Consultants, Inc., P.C.

Date

It is a violation of New York State Education Law for any person, unless acting under the direction of a licensed professional engineer, to alter in any way plans, specifications, plates, and reports to which the seal of a professional engineer has been applied. If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer shall seal the item and add the notation "altered by", sign and date such alteration, and provide a specific description of the alteration.

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Abbreviations and Acronyms

bgs	below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CAMP	Community Air Monitoring Program
DNAPL	Dense Non-aqueous Phase Liquid
EPA	United States Environmental Protection Agency
GEI	GEI Consultants, Inc., P.C.
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
MGP	Manufactured Gas Plant
Metroplex	Schenectady Metroplex Development Authority
NAPL	Non-aqueous Phase Liquid
NYSDEC	New York State Department of Environmental Conservation
OU1	Operable Unit 1
OU2	Operable Unit 2
PDI	Pre-Design Investigation
PPE	Personal Protective Equipment
PVC	Polyvinyl Chloride
RI	Remedial Investigation
SMHA	Schenectady Municipal Housing Authority
SVOC	Semi-volatile Organic Compound
VCA	Voluntary Cleanup Agreement
VOC	Volatile Organic Compound

1. Introduction

This Sentinel Wells Report presents the results of the installation of four sentinel monitoring wells installed in the parking lot property at 312 Broadway in Schenectady, New York. These wells were installed following the soil removed during the Interim Remedial Measure (IRM) located on Operable Unit 2 (OU2) [north] of the Schenectady Clinton Street Former Manufactured Gas Plant (MGP) Site. The background information was described in the 312 Broadway IRM Work Plan Addendum 2, dated June 23, 2011 (GEI, 2011a). This report should be considered as a companion document to the IRM Construction Completion Report (GEI, 2013).

The investigation and cleanup of the Site is being managed according to a Voluntary Cleanup Agreement (VCA) between National Grid and the New York State Department of Environmental Conservation (NYSDEC) which was executed on July 3, 2001 (NYSDEC, 2001). This Sentinel Wells Report has been prepared in accordance with the VCA, and the guidelines of the NYSDEC document entitled "*DER-10* / *Technical Guidance for Site Investigation and Remediation*," (DER-10) dated May 3, 2010 (NYSDEC, 2010).

1.1 Report Organization

This Report is organized into the following sections and appendices:

- **Section 1 – Introduction.** This section describes the Site, the previous environmental investigations performed at the Site, and presents the sentinel well objectives.
- **Section 2 – Sentinel Well Field Activities.** This section describes sentinel well field activities.
- **Section 3 – Results.** This section describes the results of the sentinel well installation and sampling.
- **Section 4 – Conclusions.**
- **Section 5 – References.** This section lists the references cited in this report.

References, tables, and figures follow the text of this report. The following documents are provided as Appendices to the report:

- **Appendix A – Subsurface Soil Boring Logs and Well Construction Logs** – Boring logs and well construction logs for the sentinel wells advanced in the IRM parking lot area of 312 Broadway.

- **Appendix B – Laboratory Analytical Data Package – Groundwater Samples** – This is a document providing the laboratory data package from sentinel wells located within the excavation area.

1.2 Site Background and Description

The MGP was located at Clinton Street and Broadway, and operated for about 48 years (ca. 1866 to 1914) using coal as the primary fuel. Gas was distributed to consumers through buried mains and used primarily for illumination. Several residuals from the MGP process were generated including: coal tar, coke, and ash.

The area owned by the former gas plant operation consisted of an area of MGP process operations, which is now occupied by the Schenectady Municipal Housing Authority (SMHA) and a portion of Clinton Street. The SMHA provides subsidized public housing for elderly or handicapped adults in several buildings at the site. This area has been designated Operable Unit 1 (OU1).

The off-site area consists of several roadways and portions of two city blocks to the west and north of the SMHA property. This area has been designated OU2. OU2 has been further defined as OU2 North, comprising the properties north of Clinton Street Extension, and OU2 South, comprising the properties south of Clinton Street Extension. The IRM area where the sentinel wells were installed lies within OU2 North, and comprises the parking lot between Van Guysling Avenue and Broadway (designated as the Site in this report). This is the portion of 312 Broadway in which the excavation and equipment staging occurred for the IRM. The general Site location and the Operable Units are shown in Figure 1.

The Site is approximately 200 feet by 350 feet (1.6 acres) and is currently used as a parking lot, owned by the Schenectady Metroplex Development Authority (Metroplex). The only structure on the Site is the unoccupied former Weigh House, which is a two-story masonry building with a center arch. The parking lot is paved with two to three layers of asphalt underlain with approximately 5 to 6 feet of fill material. The fill material consists of ash and brick fragments, and various construction and demolition debris. Within the area excavated for the IRM, fill extends down to 17 feet with new asphalt cover. Groundwater levels typically range from 7 to 8 feet below ground surface (bgs), with groundwater flow from east to west.

1.3 Previous Investigations

Site assessment and environmental investigation activities have been conducted at the Site over a period of six years. Previous investigations included soil borings and well installations in 2004, 2006, 2007, 2008, 2009, and 2010. A total of 36 borings were

advanced at the Site, as shown in Figure 2. The boring logs and well installation logs for these borings were previously provided in the IRM Work Plan (GEI, 2011b).

The Remedial Investigation (RI) for OU1 was completed by AECOM in June of 2009 (AECOM, 2009). This RI summarized the findings of previous investigations at the Site and included additional boring and well installations. The RI found MGP source material beneath the parking lot of the SMHA property, and remnants of several subsurface MGP structures. Monitoring wells were installed in both the OU1 and OU2 areas. Non-aqueous phase liquid (NAPL) has accumulated in several of the wells, with the majority being recovered on the west side of Broadway (OU2). A Pre-Design Investigation (PDI) was completed for NAPL recovery in OU2 in 2010. The results of the PDI were provided in a Report of Findings which formed the basis of a current IRM for NAPL recovery, consisting of monthly gauging and recovery from selected wells (GEI, 2011c).

The RI for OU2 was completed by GEI Consultants, Inc., P.C. (GEI) in 2012 (GEI, 2012). Results indicate that MGP impacts are present at depth under Broadway and west of Broadway. The horizontal and vertical extents of the MGP soil impacts have been established. RI results for the 312 Broadway property within OU2 North indicate the presence of NAPL and MGP soil impacts, which are apparently isolated from other MGP impacts at the Site.

A PDI was completed for the 312 Broadway IRM and the results of the PDI were provided in a Report of Findings (GEI, 2011d). The PDI, together with the previous investigations, established the horizontal and vertical limits of the IRM excavation.

1.4 312 Broadway Sentinel Well Objectives

The purpose of the sentinel well installation was to allow for observing and gauging the wells for the presence of NAPL located at the upgradient perimeter of the IRM excavation. As described in the Pre-Design Investigation Report of Findings (GEI, 2011d), angled borings SB115 and SB116 were advanced beneath Clinton Street Extension and Broadway, respectively. Neither boring showed mobile NAPL impacts. The sentinel wells were to be located so that they could provide for early detection should NAPL flow towards the remediated area.

2. Sentinel Well Field Activities

2.1 Sentinel Well Scope of Work

The sentinel well scope of work included the following items. Four sentinel wells were proposed to be installed, with one well on the southeast edge of the IRM excavation along Broadway, one well in the southeast corner of the IRM excavation along Broadway, and two wells along Clinton Street Extension. The proposed locations were selected to avoid damage from snowplows operating in the paved area, and to avoid trees, overhead utilities, and subsurface utilities. The sentinel well locations are shown on Figure 2.

GEI field staff oversaw the installation of four sentinel wells and decommission of the on-site inclinometer casing on January 28 and 29, 2013. Parratt-Wolff Drilling of East Syracuse, New York was used as the drilling subcontractor.

The sentinel monitoring wells were installed using hollow-stem auger drilling techniques. The target depth was 19 feet bgs, 2 feet below the bottom of the IRM excavation into the native soils. The borings were then converted to 2-inch diameter monitoring wells. The wells are constructed using a 2-inch-diameter schedule 40 polyvinyl chloride (PVC) well riser with a 0.02-inch slotted PVC screen, and a 2-foot-long sump for monitoring the presence of dense non-aqueous phase liquid (DNAPL). The well sump was sealed with bentonite chips. All the wells were constructed with a 10-foot screen.

The annular space between the well screen and borehole wall was backfilled with chemically inert sand (#1 Morie) to promote groundwater flow and minimize the passage of any fine-grained formational material into the well. A 1-foot layer of bentonite clay chips was placed above the sand pack and hydrated with potable water. The remaining annular space was filled to grade with cement/bentonite grout.

Each monitoring well was fitted with a flush-mount locking road box set in a concrete pad, placed to avoid trip hazards and to avoid damage from snowplows. The wells were then developed with surge and pump methods.

All soil cuttings, decontamination and well development water, used disposable sampling equipment, and personal protective equipment (PPE) were containerized in drums, sampled, and were properly disposed of off site at a permitted disposal facility. The soil characterization sample was analyzed by TestAmerica Laboratories in Pittsburgh, Pennsylvania by United States Environmental Protection Agency (EPA) Method 8260C and EPA Method 8270C TCLP characteristics. Results indicated that solids were non-hazardous. An existing waste profile was used for liquid non-hazardous waste.

The on-site inclinometer casing was decommissioned by tremie grouting the casing in-place.

All fieldwork was conducted in accordance with the site-specific Health and Safety Plan (HASP) [GEI, 2009].

2.2 Survey

A pre-investigation utility survey was conducted. A subsurface geophysical investigation was conducted by Enviroprobe Services, Inc. of Moorestown, New Jersey. The investigation utilized a Sensors and Software cart-mounted Ground Penetrating Radar (GPR) unit with a 250 MHz antenna, a Radiodetection 7000T3 multi-frequency transmitter, a Radiodetection 7000 receiver, and a Fisher TW-6 metallic detector. Buried and overheard utilities are shown on Figure 2.

A survey was performed by Ausfeld & Waldruff Land Surveyors LLP of Schenectady, New York to document the sentinel well locations following installation. Sentinel well locations are shown on Figure 2.

2.3 Community Air Monitoring Program

The Community Air Monitoring Program (CAMP) was performed in accordance with the Work Plan. All readings were within the parameters set forth in the CAMP.

3. Results

3.1 Results of Sentinel Well Installation

Four sentinel wells SMW-1 through SMW-4 were installed for this task. Soil boring and monitoring well construction logs are provided in Appendix A.

3.2 Groundwater Results

Groundwater samples were collected from the four newly installed sentinel wells on February 26, 2013. Samples were collected and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, and total cyanide. Results are presented in Table 1 and the laboratory data package is included as Appendix B.

In each of the groundwater samples collected, one or more of the VOC compounds benzene, toluene, ethylbenzene, and total xylenes (BTEX) were detected at levels exceeding the New York State Class GA standards. Methylene chloride was also detected at concentrations exceeding the Class GA standard at SMW-1, SMW-2, and SMW-3. However, this compound was also detected in the Trip Blank sample for this event, indicating a possible laboratory contaminant.

Of the SVOC compounds analyzed, only 1,1'-Biphenyl, acenaphthene, and naphthalene were detected at levels above Class GA standards or guidance values in one or more groundwater samples. Metals detected above standards or guidance values include iron, magnesium, manganese, and sodium. All detected constituents are typical for MGP sites and the elevated metals are within background levels for this site.

Total cyanide was not detected at concentrations above the New York Class GA standard.

3.3 NAPL Gauging

The sentinel wells were gauged for NAPL prior to sampling. No NAPL was detected nor observed during groundwater sampling.

4. Conclusions

As the sentinel wells were all installed within the footprint of the IRM excavation, the screened interval of each well is located within the fill material. The bottom of the screened interval was located at 17 feet bgs, which matched the bottom of the excavation. Beneath this, native material was encountered, but was located below the screened interval. No MGP impacts were observed in any of the soil borings, except for a very slight hydrocarbon-like odor at SMW-3 from 17 to 19 feet bgs, in the native material. No NAPL was observed in any of the wells following well development or groundwater sampling.

The sentinel wells will be included in the monitoring well network. These will also be used to monitor for the potential future presence of NAPL entering the IRM excavation area.

5. References

AECOM, 2009. Remedial Investigation Report, Operable Unit 1, Schenectady (Clinton Street) Non-Owned Former MGP Site, Schenectady, NY, June 28, 2009.

GEI, 2009. Site-specific Health and Safety Plan (HASP), September 24, 2009

GEI, 2011a. 312 Broadway IRM Work Plan Addendum 2, Sentinel Well Installation Work Plan, Schenectady OU2 Former MGP Site, June 23, 2011.

GEI, 2011b. IRM Work Plan for Soil Excavation at 312 Broadway Schenectady, Clinton Street MGP Site, Schenectady, New York, May 17, 2011.

GEI, 2011c. Pre-design Investigation - Report of Findings, NAPL Recovery, Schenectady Clinton Street Former MGP Site, OU2, March 25, 2011.

GEI, 2011d. Pre-design Investigation - Report of Findings, 312 Broadway, Schenectady Clinton Street Former MGP Site, OU2, March 18, 2011.

GEI, 2012. Final Remedial Investigation Report, Operable Unit 2, Schenectady (Clinton Street) Non-Owned Former MGP Site, Schenectady, New York, December 2012.

GEI, 2013. Construction Completion Report, Soil Excavation at 312 Broadway, Schenectady, Clinton Street MGP Site, Schenectady, New York, 2013.

NYSDEC, 2001. Voluntary Cleanup Agreement (VCA) Index # D0-0001-0011 executed on July 3, 2001.

NYSDEC, 2010. DER-10 Technical Guidance for Site Investigation and Remediation, May 3, 2010.

Tables

Table 1
Analytical Groundwater Results
Schenectady (Clinton Street) OU2 Non-Owned Former MGP Site
Sentinel Wells
Schenectady, New York

	Location Name	SMW-1	SMW-2	SMW-3	SMW-3	SMW-4
	Sample Name	SMW-1	SMW-2	SMW-3	DUP02262013	SMW-4
	Sample Date	2/26/2013	2/26/2013	2/26/2013	2/26/2013	2/26/2013
	Parent Sample Code				SMW-3	
Analyte	NYS AWQS					
BTEX (ug/L)						
Benzene	1	**240**	**320**	**310**	**300**	**490**
Toluene	5	**14 J**	**6.1 J**	**11 J**	**11 J**	**0.58 J**
Ethylbenzene	5	**18**	**16 J**	**46**	**43**	**41 J**
Total Xylene	5	**36 J**	**24 J**	**68**	**64**	**17**
Total BTEX	NE	**308**	**366.1**	**435**	**418**	**548.58**
Other VOCs (ug/L)						
Acetone	50*	75 U	100 U	100 U	100 U	5 U*
Bromodichloromethane	50*	15 U	20 U	20 U	20 U	1 U
Bromoform	50*	15 U	20 U	20 U	20 U	1 U
Bromomethane	5	15 U	20 U	20 U	20 U	1 U
2-Butanone (Methyl ethyl ketone)	50*	75 U	100 U	100 U	100 U	5 U
Carbon disulfide	60*	15 U	20 U	20 U	20 U	1 U
Carbon tetrachloride	5	15 U	20 U	20 U	20 U	1 U
Chlorobenzene	5	15 U	20 U	20 U	20 U	1 U
Chloroethane	5	15 U	20 U	20 U	20 U	1 U
Chloroform	7	15 U	20 U	20 U	20 U	1 U
Chloromethane	5	15 U	20 U	20 U	20 U	1 U
Cyclohexane	NE	15 U	20 U	20 U	20 U	1 U
1,2-Dibromo-3-chloropropane	0.04	15 U	20 U	20 U	20 U	1 U
Dibromochloromethane	50*	15 U	20 U	20 U	20 U	1 U
1,2-Dibromoethane (EDB)	0.0006	15 U	20 U	20 U	20 U	1 U
1,2-Dichlorobenzene	3	15 U	20 U	20 U	20 U	1 U
1,3-Dichlorobenzene	3	15 U	20 U	20 U	20 U	1 U
1,4-Dichlorobenzene	3	15 U	20 U	20 U	20 U	1 U
Dichlorodifluoromethane (Freon 12)	5	15 U	20 U	20 U	20 U	1 U
1,1-Dichloroethane	5	15 U	20 U	20 U	20 U	1 U
1,2-Dichloroethane	0.6	15 U	20 U	20 U	20 U	1 U
1,1-Dichloroethene	0.07	15 U	20 U	20 U	20 U	1 U
cis-1,2-Dichloroethene	5	15 U	20 U	20 U	20 U	1 U
trans-1,2-Dichloroethene	5	15 U	20 U	20 U	20 U	1 U
1,2-Dichloropropane	1	15 U	20 U	20 U	20 U	1 U
cis-1,3-Dichloropropene	0.4	15 U	20 U	20 U	20 U	1 U
trans-1,3-Dichloropropene	0.4	15 U	20 U	20 U	20 U	1 U
2-Hexanone	50*	75 U	100 U	100 U	100 U	5 U
Isopropyl benzene	5	15 U	20 U	**5.3 J**	**4.5 J**	**4**
Methyl acetate	NE	15 U	20 U	20 U	20 U	1 U
Methyl tert-butyl ether (MTBE)	10*	15 U	20 U	20 U	20 U	1 U
4-Methyl-2-pentanone (MIBK)	NE	75 U	100 U	100 U	100 U	5 U
Methylcyclohexane	NE	15 U	20 U	20 U	20 U	1 U
Methylene chloride	5	**10 J**	**13 J**	**14 J**	**12 J**	1 U
Styrene	5	15 U	20 U	20 U	20 U	1 U
1,1,2,2-Tetrachloroethane	5	15 U	20 U	20 U	20 U	1 U
Tetrachloroethene (PCE)	5	15 U	20 U	20 U	20 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	15 U	20 U	20 U	20 U	1 U
1,2,4-Trichlorobenzene	5	15 U	20 U	20 U	20 U	1 U
1,1,1-Trichloroethane	5	15 U	20 U	20 U	20 U	1 U
1,1,2-Trichloroethane	1	15 U	20 U	20 U	20 U	1 U
Trichloroethene (TCE)	5	15 U	20 U	20 U	20 U	1 U
Trichlorofluoromethane (Freon 11)	5	15 U	20 U	20 U	20 U	1 U
Vinyl chloride	2	15 U	20 U	20 U	20 U	1 U
Non-carcinogenic PAHs (ug/L)						
Acenaphthene	20*	**23**	**2.4**	**35**	**22**	**13**
Acenaphthylene	NE	**17**	**1.4 J**	**5.9**	**3.7**	**2.1**
Anthracene	50*	**2.8**	**0.16 J**	**1.6 J**	**1.1 J**	**0.44 J**
Benzo[g,h,i]perylene	NE	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Fluoranthene	50*	**3.6**	2.1 U	**1.3 J**	**0.74 J**	**0.36 J**
Fluorene	50*	**17**	**1.1 J**	**17**	**10**	**5.1**
2-Methylnaphthalene	NE	**17**	**1.9 J**	**32**	**19**	**0.24 J**

Table 1
Analytical Groundwater Results
Schenectady (Clinton Street) OU2 Non-Owned Former MGP Site
Sentinel Wells
Schenectady, New York

	Location Name	SMW-1	SMW-2	SMW-3	SMW-3	SMW-4
	Sample Name	SMW-1	SMW-2	SMW-3	DUP02262013	SMW-4
	Sample Date	2/26/2013	2/26/2013	2/26/2013	2/26/2013	2/26/2013
	Parent Sample Code				SMW-3	
Analyte	NYS AWQS					
Naphthalene	10*	**400**	**160**	**540**	**370**	**26**
Phenanthrene	50*	**27**	**1.2 J**	**13**	**8**	**3.2**
Pyrene	50*	**2 J**	2.1 U	**0.72 J**	**0.44 J**	2.1 U
Carcinogenic PAHs (ug/L)						
Benz[a]anthracene	0.002*	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Benzo[a]pyrene	ND	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Benzo[b]fluoranthene	0.002*	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Benzo[k]fluoranthene	0.002*	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Chrysene	0.002*	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Dibenz[a,h]anthracene	NE	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Indeno[1,2,3-cd]pyrene	0.002*	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Total PAHs (ug/L)						
Total PAH 17	NE	**509.4**	**168.16**	**646.52**	**434.98**	**50.44**
Other SVOCs (ug/L)						
Acetophenone	NE	11 U	11 U	11 U	10 U	11 U
Atrazine	7.5	11 U	11 U	11 U	10 U	11 U
Benzaldehyde	NE	11 U	11 U	11 U	10 U	11 U*
1,1-Biphenyl	5	**5.6 J**	**0.64 J**	**7.1 J**	**4.6 J**	**2.1 J**
Bis(chloroisopropyl)ether	5	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Bis(2-chloroethyl)ether	1	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Bis(2-chloroethoxy)methane	5	11 U	11 U	11 U	10 U	11 U
Bis(2-ethylhexyl)phthalate	5	21 U	21 U	22 U	21 U	21 U
4-Bromophenyl phenyl ether	NE	11 U	11 U	11 U	10 U	11 U
Butyl benzyl phthalate	50*	11 U	11 U	11 U	10 U	11 U
Caprolactam	NE	53 U	53 U	54 U	52 U	53 U
Carbazole	NE	**21**	**2.2**	**25**	**15**	**12**
4-Chloro-3-methylphenol	NE	11 U	11 U	11 U	10 U	11 U
4-Chloroaniline	5	11 U	11 U	11 U	10 U	11 U
2-Chloronaphthalene	10*	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
2-Chlorophenol	NE	11 U	11 U	11 U	10 U	11 U
4-Chlorophenyl phenyl ether	NE	11 U	11 U	11 U	10 U	11 U
Dibenzofuran	NE	**18**	**1.1 J**	**17**	**11**	**5.1 J**
3,3-Dichlorobenzidine	5	11 U	11 U	11 U	10 U	11 U
2,4-Dichlorophenol	5	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Diethyl phthalate	50*	11 U	11 U	**2.4 J**	10 U	11 U
Dimethyl phthalate	50*	11 U	11 U	11 U	10 U	11 U
2,4-Dimethylphenol	50*	**4.6 J**	**6.9 J**	**5.8 J**	**3.2 J**	11 U
Di-n-butyl phthalate	50	11 U	11 U	11 U	10 U	11 U
4,6-Dinitro-2-methylphenol	NE	53 U	53 U	54 U	52 U	53 U
2,4-Dinitrophenol	10*	53 U	53 U	54 U	52 U	53 U
2,4-Dinitrotoluene	5	11 U	11 U	11 U	10 U	11 U
2,6-Dinitrotoluene	5	11 U	11 U	11 U	10 U	11 U
Di-n-octyl phthalate	50*	11 U	11 U	11 U	10 U	11 U
Hexachlorobenzene	0.04	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Hexachlorobutadiene	0.5	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
Hexachlorocyclopentadiene	5	11 U	11 U	11 U	10 U	11 U
Hexachloroethane	5	11 U	11 U	11 U	10 U	11 U
Isophorone	50*	11 U	11 U	11 U	10 U	11 U
2-Methylphenol (o-Cresol)	1	11 U	11 U	11 U	10 U	11 U
4-Methylphenol (p-Cresol)	1	11 U	11 U	11 U	10 U	11 U
2-Nitroaniline	5	53 U	53 U	54 U	52 U	53 U
3-Nitroaniline	5	53 U	53 U	54 U	52 U	53 U
4-Nitroaniline	5	53 U	53 U	54 U	52 U	53 U
Nitrobenzene	0.4	21 U	21 U	22 U	21 U	21 U
2-Nitrophenol	NE	11 U	11 U	11 U	10 U	11 U
4-Nitrophenol	NE	53 U	53 U	54 U	52 U	53 U
N-Nitrosodi-n-propylamine	NE	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U
N-Nitrosodiphenylamine	50*	11 U	11 U	11 U	10 U	11 U
Pentachlorophenol	1	11 U	11 U	11 U	10 U	11 U

Table 1
Analytical Groundwater Results
Schenectady (Clinton Street) OU2 Non-Owned Former MGP Site
Sentinel Wells
Schenectady, New York

	Location Name	SMW-1	SMW-2	SMW-3	SMW-3	SMW-4
	Sample Name	SMW-1	SMW-2	SMW-3	DUP02262013	SMW-4
	Sample Date	2/26/2013	2/26/2013	2/26/2013	2/26/2013	2/26/2013
	Parent Sample Code				SMW-3	
Analyte	NYS AWQS					
Phenol	1	**7.4**	**21**	**8.5**	**6.1**	**13**
2,4,5-Trichlorophenol	NE	11 U	11 U	11 U	10 U	11 U
2,4,6-Trichlorophenol	NE	11 U	11 U	11 U	10 U	11 U
Total Metals (ug/L)						
Aluminum	NE	**74 JB**	**34 JB**	**48 JB**	**45 JB**	**33 JB**
Antimony	3	10 U	10 U	10 U	10 U	10 U
Arsenic	25	**18**	**15**	**8.3 J**	**8.2 J**	**8.8 J**
Barium	1000	**320**	**460**	**400**	**410**	**540**
Beryllium	3*	4 U	4 U	4 U	4 U	4 U
Cadmium	5	5 U	5 U	5 U	5 U	5 U
Calcium	NE	**220000 B**	**220000 B**	**190000 B**	**190000 B**	**190000 B**
Chromium	50	5 U	5 U	5 U	5 U	5 U
Cobalt	NE	**0.77 J**	**2.6 J**	50 U	50 U	50 U
Copper	200	25 U	25 U	25 U	25 U	25 U
Iron	300	**9900 B**	**33000 B**	**16000 B**	**16000 B**	**14000 B**
Lead	25	3 U	3 U	3 U	3 U	3 U
Magnesium	35000*	**40000**	**34000**	**25000**	**25000**	**25000**
Manganese	300	**270**	**790**	**1100**	**1000**	**600**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	**6.3 J**	**6.9 J**	40 U	40 U	40 U
Potassium	NE	**28000**	**25000**	**27000**	**28000**	**30000**
Selenium	10	5 U	5 U	5 U	5 U	5 U
Silver	50	5 U	5 U	5 U	5 U	5 U
Sodium	20000	**780000**	**780000**	**1600000**	**1700000**	**1900000**
Thallium	0.5*	10 U	10 U	10 U	10 U	10 U
Vanadium	NE	50 U	**1.9 J**	50 U	50 U	**2 J**
Zinc	2000*	**4.4 JB**	**5.9 JB**	**4.8 JB**	**4.9 JB**	**4.6 JB**
Total Cyanide (ug/L)						
Total Cyanide	200	**9.2 J**	**39**	**19**	**19**	**15**

Notes:
Data for these sampling events have not been validated. Qualifiers are Lab Qualifiers.
Analytes in blue are not detected in any sample
ug/L - micrograms per liter or parts per billion (ppb)
BTEX - benzene, toluene, ethylbenzene, and xylenes
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
SVOCs - semivolatile organic compounds

Total BTEX and Total PAHs are calculated using detects only.
Total PAH16 is calculated using the EPA16 list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, Phenanthrene, and Pyrene
Total PAH17 is calculated using the EPA16 list of analytes plus 2-Methylnaphthalene

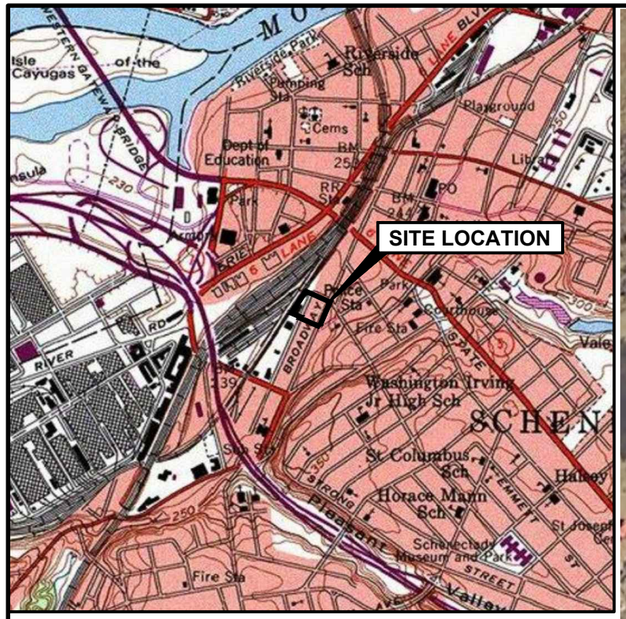
NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

NE - not established

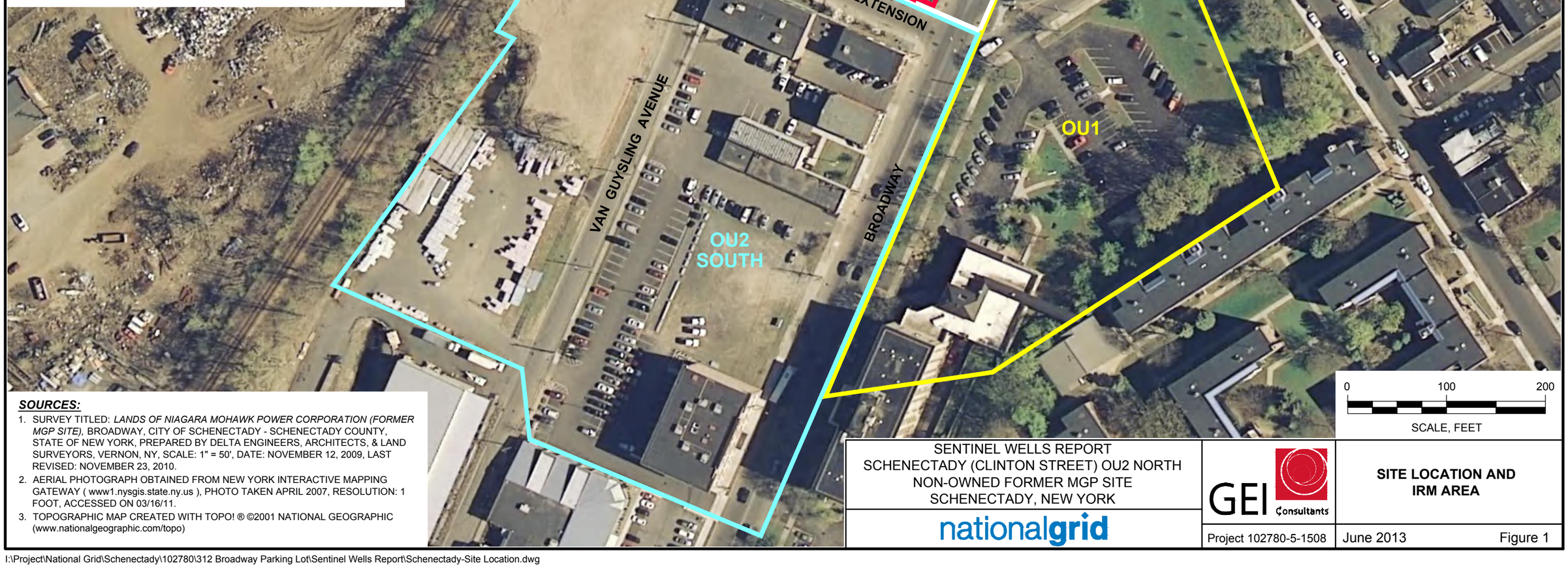
Bolding indicates a detected concentration
Gray shading indicates that the detected result value exceeds NYS AWQS

Laboratory Qualifiers:
* - Duplicate analysis not within control limits
B - Analyte detected in the associated method blank
J - estimated value
U - indicates not detected to the reporting limit
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

Figures



SITE LOCATION 0 2000 SCALE, FEET



SOURCES:

1. SURVEY TITLED: *LANDS OF NIAGARA MOHAWK POWER CORPORATION (FORMER MGP SITE),* BROADWAY, CITY OF SCHENECTADY - SCHENECTADY COUNTY, STATE OF NEW YORK, PREPARED BY DELTA ENGINEERS, ARCHITECTS, & LAND SURVEYORS, VERNON, NY, SCALE: 1" = 50', DATE: NOVEMBER 12, 2009, LAST REVISED: NOVEMBER 23, 2010.
2. AERIAL PHOTOGRAPH OBTAINED FROM NEW YORK INTERACTIVE MAPPING GATEWAY (www1.nysgis.state.ny.us), PHOTO TAKEN APRIL 2007, RESOLUTION: 1 FOOT, ACCESSED ON 03/16/11.
3. TOPOGRAPHIC MAP CREATED WITH TOPO! ® ©2001 NATIONAL GEOGRAPHIC (www.nationalgeographic.com/topo)

SENTINEL WELLS REPORT
SCHENECTADY (CLINTON STREET) OU2 NORTH
NON-OWNED FORMER MGP SITE
SCHENECTADY, NEW YORK

nationalgrid

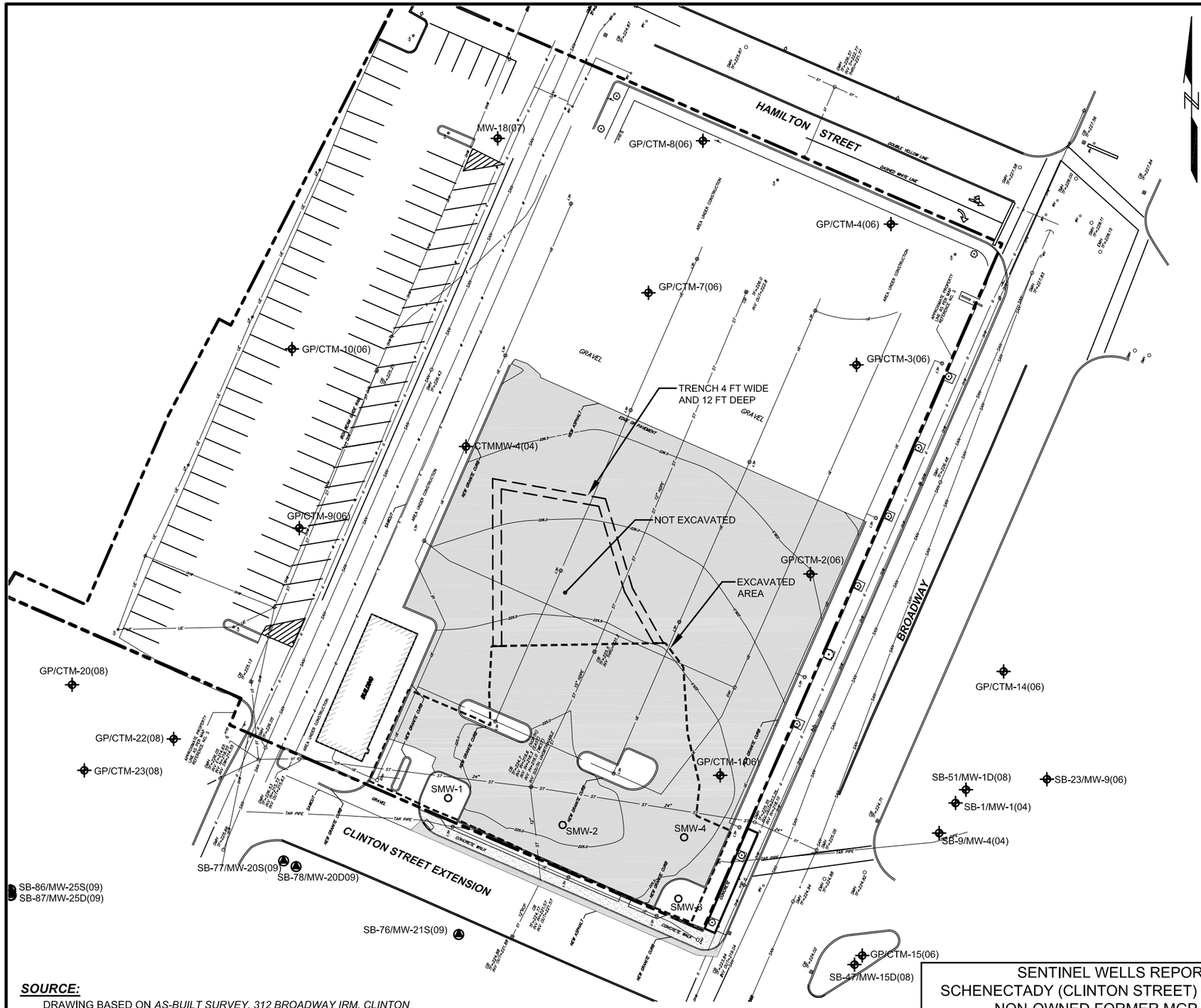
GEI Consultants

Project 102780-5-1508

SITE LOCATION AND IRM AREA

June 2013 Figure 1

I:\Project\National Grid\Schenectady\102780\312 Broadway Parking Lot\Sentinel Wells Report\Schenectady-Site Location.dwg



EXISTING CONDITIONS LEGEND:

- APPROXIMATE PROPERTY LINE
- STRUCTURE
- 225 — SURFACE CONTOUR
- TREE
- POWER POLE
- LP — LIGHT POLE
- HYD — FIRE HYDRANT
- SMH — SANITARY MANHOLE
- DMH — STORM MANHOLE
- EMH — ELECTRIC MANHOLE
- CB — CATCH BASIN
- TRAFFIC SIGNAL POLE
- WV — WATER VALVE
- GV — GAS VALVE
- SIGN
- G — GAS LINE
- SAN — SANITARY SEWER LINE
- ST — STORM SEWER LINE
- W — WATER LINE
- T — UNDERGROUND TELEPHONE LINE
- UE — UNDERGROUND ELECTRIC LINE
- OHW — OVERHEAD POWER POLE LINE
- SB-77/MW-20S(09) — SOIL BORING/MONITORING WELL LOCATION (GEI - 2009)
- CTMMW-4(04), GP/CTM-6(06), GP/CTM-20(08) — SOIL BORING/MONITORING WELL LOCATION (CT MALE - 2004, 2006, 2008)
- MW-18(07) — MONITORING WELL APPROXIMATE LOCATION (CT MALE - 2007)
- SB-1/MW-1(04), SB-51/MW-1D(08) — SOIL BORING/MONITORING WELL LOCATION (AECOM - 2004, 2008)
- SMW-1 — SENTINEL MONITORING WELL

0 60 120

SCALE, FEET

SOURCE:

DRAWING BASED ON *AS-BUILT SURVEY, 312 BROADWAY IRM, CLINTON STREET FORMER MGP SITE*, CITY OF SCHENECTADY - SCHENECTADY COUNTY, STATE OF NEW YORK, PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS LLP, 514 STATE STREET, SCHENECTADY, NY, SCALE: 1" = 20', DATE: SEPTEMBER 14, 2012, REVISED 9-25-12, 10-6-12, 10-9-12 & 12-24-12.

SENTINEL WELLS REPORT
SCHENECTADY (CLINTON STREET) OU2 NORTH
NON-OWNED FORMER MGP SITE
SCHENECTADY, NEW YORK

nationalgrid

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EXISTING CONDITIONS

Project 102780-5-1508 | June 2013 | Figure 2

I:\Project\National Grid\Schenectady\102780\312 Broadway Parking Lot\Sentinel Wells Report\312 BROADWAY SITE LAYOUT.dwg

Appendix A

Subsurface Soil Boring Logs and Well Construction Logs

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Schenectady Former MGP
CITY/STATE: Schenectady, NY
GEI PROJECT NUMBER: 102780-5-1508

BORING LOG
PAGE 1 of 1
SMW1(13)

GROUND SURFACE ELEVATION (FT): 225.81
LOCATION:
NORTHING: 1449280.848 **EASTING:** 641005.43
TOTAL DEPTH (FT): 19.00
DRILLED BY: Parratt Wolff / Ian Grassie
DATUM VERT. / HORZ.: NAVD 88 / NAD 83
LOGGED BY: Garrett Schmidt
DATE START / END: 1/28/2013 - 1/28/2013
DRILLING DETAILS: Hollow Stem Auger
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN FT.	SAMPLE INFO: REC FT.	STRATA	SOIL / BEDROCK DESCRIPTION
0					WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); ~80% sand, fine, ~10% gravel, fine to coarse, subangular, ~10% fines; dry, brown, TOPSOIL.
					POORLY GRADED GRAVEL (GP); ~90% gravel, ~10% sand, fine; moist to wet, gray brown.
5					
10					
15					CLAYEY SAND (SC); ~75% sand, fine, ~25% fines, medium plasticity; wet, brown.
					Bottom of borehole at 19.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR
HLO = HYDROCARBON LIKE ODOR
GLO = GASOLINE LIKE ODOR

ENVIRONMENTAL BORING LOG SENTINEL BORINGS_REV.GPJ GEI CONSULTANTS.GDT 5/28/13

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Schenectady Former MGP
CITY/STATE: Schenectady, NY
GEI PROJECT NUMBER: 102780-5-1508

BORING LOG
PAGE 1 of 1
SMW2(13)

GROUND SURFACE ELEVATION (FT): 224.85
LOCATION:
NORTHING: 1449268.349 **EASTING:** 641058.594
TOTAL DEPTH (FT): 19.00
DRILLED BY: Parratt Wolff / Ian Grassie
DATUM VERT. / HORZ.: NAVD 88 / NAD 83
LOGGED BY: Garrett Schmidt
DATE START / END: 1/28/2013 - 1/28/2013
DRILLING DETAILS: Hollow Stem Auger
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN FT.	SAMPLE INFO: REC FT.	STRATA	SOIL / BEDROCK DESCRIPTION
0					ASPHALT.
					POORLY GRADED GRAVEL (GP); ~90% gravel, coarse, ~10% sand, fine; moist to wet, gray.
5					
10					
15					CLAYEY SAND (SC); ~75% fines, medium plasticity, ~25% sand, fine; wet, brown.
					Bottom of borehole at 19.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR
HLO = HYDROCARBON LIKE ODOR
GLO = GASOLINE LIKE ODOR

ENVIRONMENTAL BORING LOG SENTINEL BORINGS_REV.GPJ GEI CONSULTANTS.GDT 5/28/13

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Schenectady Former MGP
CITY/STATE: Schenectady, NY
GEI PROJECT NUMBER: 102780-5-1508

BORING LOG
PAGE 1 of 1
SMW3(13)

GROUND SURFACE ELEVATION (FT): 226.15 **LOCATION:**
NORTHING: 1449234.198 **EASTING:** 641112.341 **TOTAL DEPTH (FT):** 19.00
DRILLED BY: Parratt Wolff / Ian Grassie **DATUM VERT. / HORZ.:** NAVD 88 / NAD 83
LOGGED BY: Garrett Schmidt **DATE START / END:** 1/29/2013 - 1/29/2013
DRILLING DETAILS: Hollow Stem Auger
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN FT.	SAMPLE INFO: REC FT.	STRATA	ODOR	SOIL / BEDROCK DESCRIPTION
0						WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM); ~80% sand, fine, ~10% gravel, fine to coarse, subangular, ~10% fines; dry, brown, TOPSOIL.
						POORLY GRADED GRAVEL (GP); ~90% gravel, coarse, ~10% sand, fine; moist to wet, gray brown.
5						
10						
15					HLO	CLAYEY SAND (SC); ~75% sand, fine, ~25% fines, medium plasticity; slight hydrocarbon-like odor, wet, brown.
						Bottom of borehole at 19.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR
HLO = HYDROCARBON LIKE ODOR
GLO = GASOLINE LIKE ODOR

ENVIRONMENTAL BORING LOG SENTINEL BORINGS_REV.GPJ GEI CONSULTANTS.GDT 5/28/13

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: National Grid
PROJECT: Schenectady Former MGP
CITY/STATE: Schenectady, NY
GEI PROJECT NUMBER: 102780-5-1508

BORING LOG
PAGE 1 of 1
SMW4(13)

GROUND SURFACE ELEVATION (FT): 225.38
LOCATION:
NORTHING: 1449262.625 **EASTING:** 641115.022
TOTAL DEPTH (FT): 19.00
DRILLED BY: Parratt Wolff / Ian Grassie
DATUM VERT. / HORZ.: NAVD 88 / NAD 83
LOGGED BY: Garrett Schmidt
DATE START / END: 1/29/2013 - 1/29/2013
DRILLING DETAILS: Hollow Stem Auger
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN FT.	SAMPLE INFO: REC FT.	STRATA	ODOR	SOIL / BEDROCK DESCRIPTION
0						ASPHALT.
						POORLY GRADED GRAVEL (GP); ~90% gravel, coarse, ~10% sand, fine; moist to wet, gray brown.
5						
10						
15					HLO	CLAYEY SAND (SC); ~75% sand, fine, ~25% fines, medium plasticity; slight hydrocarbon-like odor, wet, brown.
						Bottom of borehole at 19.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR
HLO = HYDROCARBON LIKE ODOR
GLO = GASOLINE LIKE ODOR

ENVIRONMENTAL BORING LOG SENTINEL BORINGS_REV.GPJ GEI CONSULTANTS.GDT 5/28/13

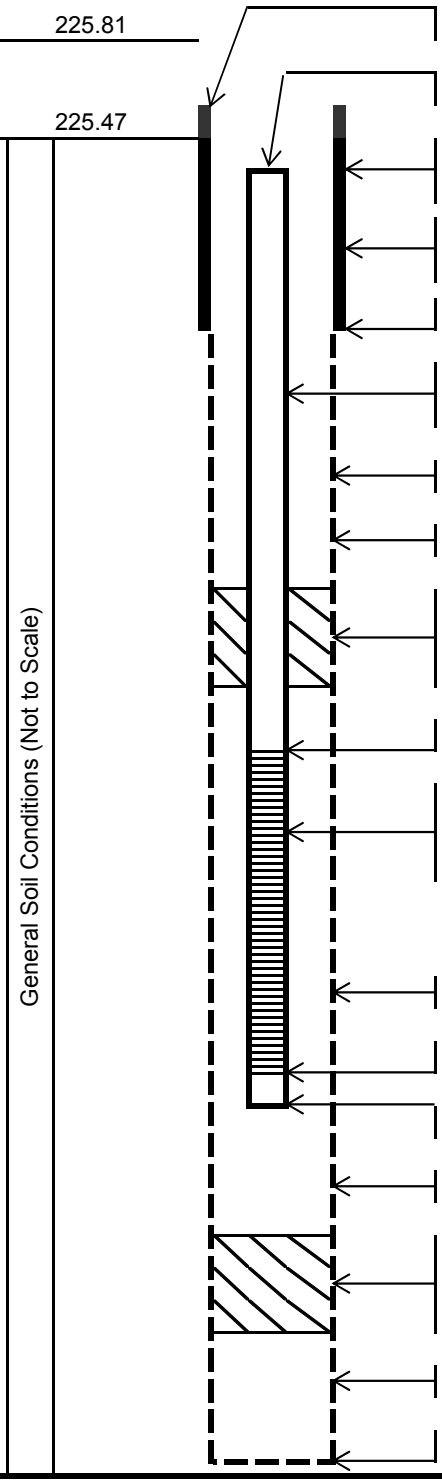
Groundwater Well Installation Log

SMW-1

Project	312 Broadway Former MGP	**GEI Proj. No.**	102780-5-1507
City / Town	Schenectady, New York	**Location**	312 Broadway
Client	National Grid		N 1449280.85
Contractor	Parratt-Wolff		E 641005.43
Driller	Ian Grassie/Rod Trask **GEI Rep.** Garrett Schmidt	**Install Date**	1/28/2013

Ground Elevation: 225.81

PVC Riser Elevation: 225.47



Length of Surface Casing above Ground	0.0 ft
Dist. Top of Surf. Casing to Top of Riser Pipe	0.34 ft
Type and Thickness of Seal around Surface Casing	2 ft. cement
ID of Surface Casing	8 in.
Type of Surface Casing	flush mount
Depth Bottom of Surface Casing	1.0 ft
ID and OD of Riser Pipe	2 in. ID / 2.4 in. OD
Type of Riser Pipe	Sch. 40 PVC
Type of Backfill around Riser Pipe	grout
Diameter of Borehole	8 in.
Depth Top of Seal	6 ft
Type of Seal	bentonite chips
Depth Bottom of Seal	7 ft
Depth Top of Screened Section	7 ft
Type of Screen	Sch. 40 PVC
Description of Screen Openings	0.020 in. slots
ID and OD of Screened Section	2 in. ID / 2.4 in. OD
Type of Filter Material	#1 sand
Depth Bottom of Screened Section	17 ft
Depth Bottom of Sump	19 ft
Depth Bottom of Filter Material	17 ft
Depth Top of Seal	17 ft
Type of Seal	bentonite chips
Depth Bottom of Seal	19 ft
Type of Backfill below Filter Material	N.A.
Bottom of Borehole	19 ft

Notes: Ground elevation based on topographical survey provided by Ausfeld and Waldruff
Boring coordinates provided by Ausfeld and Waldruff based on NAVD 88.

GEI Consultants

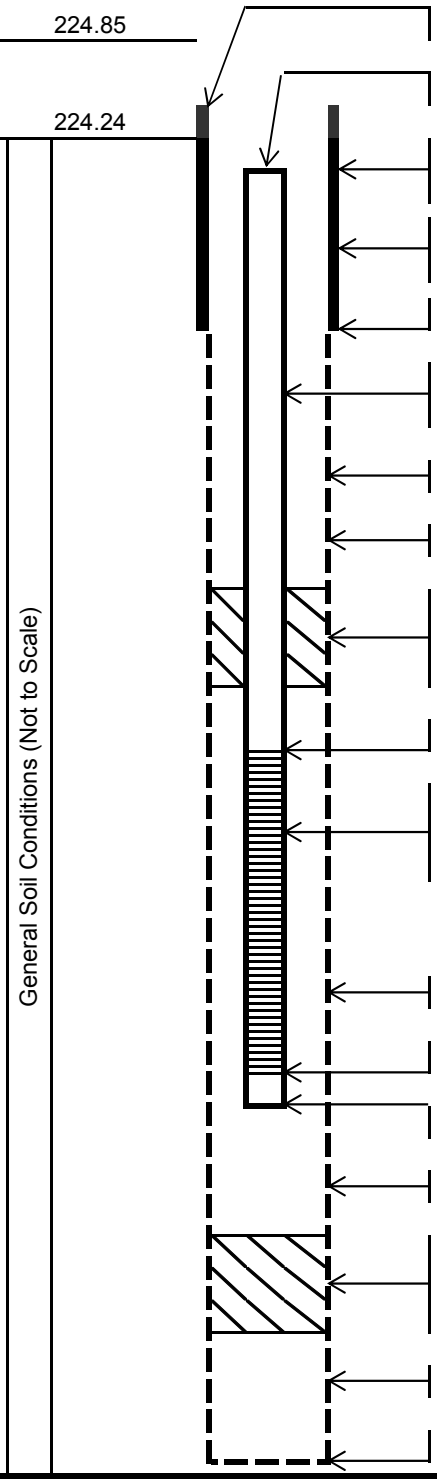
Groundwater Well Installation Log

SMW-2

Project	312 Broadway Former MGP	**GEI Proj. No.**	102780-5-1507
City / Town	Schenectady, New York	**Location**	312 Broadway
Client	National Grid		N 1449268.35
Contractor	Parratt-Wolff		E 641058.59
Driller	Ian Grassie/Rod Trask **GEI Rep.** Garrett Schmidt	**Install Date**	1/28/2013

Ground Elevation: 224.85

PVC Riser Elevation: 224.24



Length of Surface Casing above Ground	0.0 ft
Dist. Top of Surf. Casing to Top of Riser Pipe	0.61 ft
Type and Thickness of Seal around Surface Casing	2 ft. cement
ID of Surface Casing	8 in.
Type of Surface Casing	flush mount
Depth Bottom of Surface Casing	1.0 ft
ID and OD of Riser Pipe	2 in. ID / 2.4 in. OD
Type of Riser Pipe	Sch. 40 PVC
Type of Backfill around Riser Pipe	grout
Diameter of Borehole	8 in.
Depth Top of Seal	6 ft
Type of Seal	bentonite chips
Depth Bottom of Seal	7 ft
Depth Top of Screened Section	7 ft
Type of Screen	Sch. 40 PVC
Description of Screen Openings	0.020 in. slots
ID and OD of Screened Section	2 in. ID / 2.4 in. OD
Type of Filter Material	#1 sand
Depth Bottom of Screened Section	17 ft
Depth Bottom of Silt Trap	19 ft
Depth Bottom of Filter Material	17 ft
Depth Top of Seal	17 ft
Type of Seal	bentonite chips
Depth Bottom of Seal	19 ft
Type of Backfill below Filter Material	N.A.
Bottom of Borehole	19 ft

Notes: Ground elevation based on topographical survey provided by Ausfeld and Waldruff
Boring coordinates provided by Ausfeld and Waldruff based on NAVD 88.

GEI Consultants

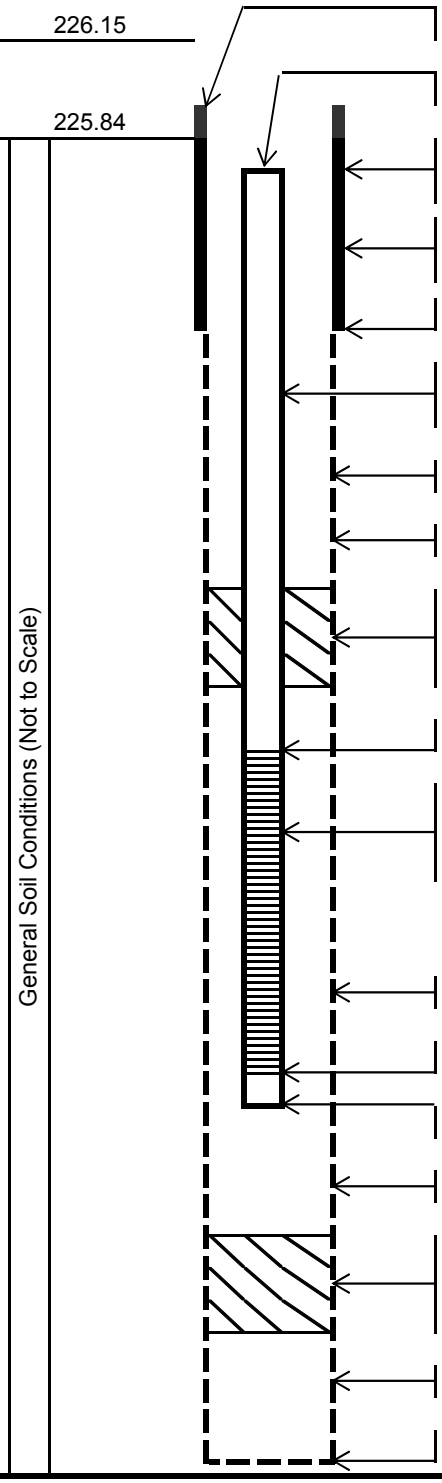
Groundwater Well Installation Log

SMW-3

Project	312 Broadway Former MGP	**GEI Proj. No.**	102780-5-1507
City / Town	Schenectady, New York	**Location**	312 Broadway
Client	National Grid	N	1449234.20
Contractor	Parratt-Wolff	E	641112.34
Driller	Ian Grassie/Rod Trask **GEI Rep.** Garrett Schmidt	**Install Date**	1/28/2013

Ground Elevation: 226.15

PVC Riser Elevation: 225.84



Length of Surface Casing above Ground	0.0 ft
Dist. Top of Surf. Casing to Top of Riser Pipe	0.31 ft
Type and Thickness of Seal around Surface Casing	2 ft. cement
ID of Surface Casing	8 in.
Type of Surface Casing	flush mount
Depth Bottom of Surface Casing	1.0 ft
ID and OD of Riser Pipe	2 in. ID / 2.4 in. OD
Type of Riser Pipe	Sch. 40 PVC
Type of Backfill around Riser Pipe	grout
Diameter of Borehole	8 in.
Depth Top of Seal	6 ft
Type of Seal	bentonite chips
Depth Bottom of Seal	7 ft
Depth Top of Screened Section	7 ft
Type of Screen	Sch. 40 PVC
Description of Screen Openings	0.020 in. slots
ID and OD of Screened Section	2 in. ID / 2.4 in. OD
Type of Filter Material	#1 sand
Depth Bottom of Screened Section	17 ft
Depth Bottom of Silt Trap	19 ft
Depth Bottom of Filter Material	17 ft
Depth Top of Seal	17 ft
Type of Seal	bentonite chips
Depth Bottom of Seal	19 ft
Type of Backfill below Filter Material	N.A.
Bottom of Borehole	19 ft

Notes: Ground elevation based on topographical survey provided by Ausfeld and Waldruff
Boring coordinates provided by Ausfeld and Waldruff based on NAVD 88.

GEI Consultants

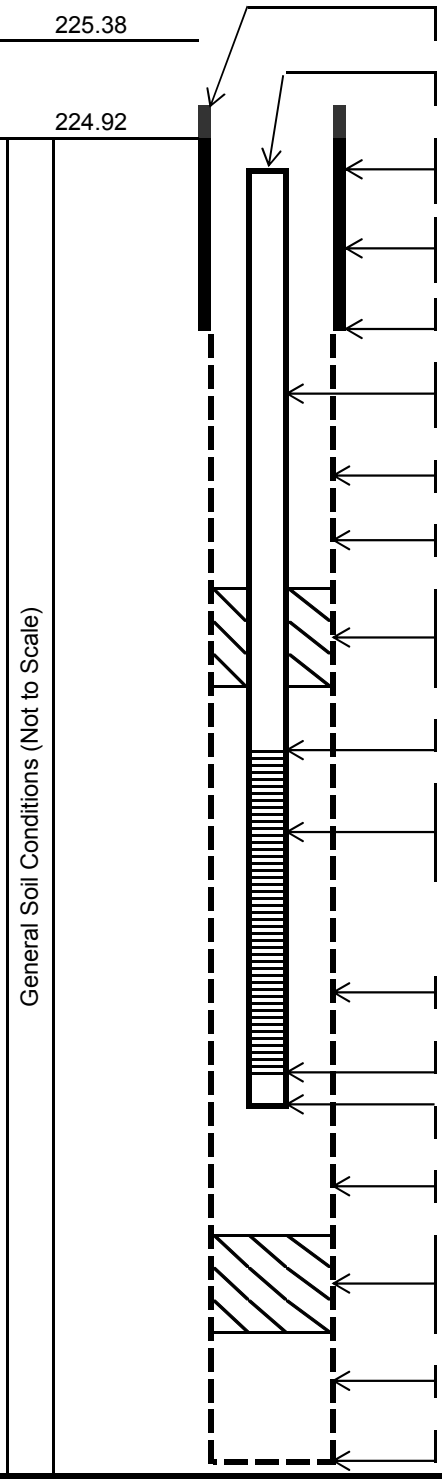
Groundwater Well Installation Log

SMW-4

Project	312 Broadway Former MGP	**GEI Proj. No.**	102780-5-1507
City / Town	Schenectady, New York	**Location**	312 Broadway
Client	National Grid		N 1449262.63
Contractor	Parratt-Wolff		E 641115.02
Driller	Ian Grassie/Rod Trask **GEI Rep.** Garrett Schmidt	**Install Date**	1/29/2013

Ground Elevation: 225.38

PVC Riser Elevation: 224.92



Length of Surface Casing above Ground	0.0 ft
Dist. Top of Surf. Casing to Top of Riser Pipe	0.46 ft
Type and Thickness of Seal around Surface Casing	2 ft. cement
ID of Surface Casing	8 in.
Type of Surface Casing	flush mount
Depth Bottom of Surface Casing	1.0 ft
ID and OD of Riser Pipe	2 in. ID / 2.4 in. OD
Type of Riser Pipe	Sch. 40 PVC
Type of Backfill around Riser Pipe	grout
Diameter of Borehole	8 in.
Depth Top of Seal	6 ft
Type of Seal	bentonite chips
Depth Bottom of Seal	7 ft
Depth Top of Screened Section	7 ft
Type of Screen	Sch. 40 PVC
Description of Screen Openings	0.020 in. slots
ID and OD of Screened Section	2 in. ID / 2.4 in. OD
Type of Filter Material	#1 sand
Depth Bottom of Screened Section	17 ft
Depth Bottom of Silt Trap	19 ft
Depth Bottom of Filter Material	17 ft
Depth Top of Seal	17 ft
Type of Seal	bentonite chips
Depth Bottom of Seal	19 ft
Type of Backfill below Filter Material	N.A.
Bottom of Borehole	19 ft

Notes: Ground elevation based on topographical survey provided by Ausfeld and Waldruff
Boring coordinates provided by Ausfeld and Waldruff based on NAVD 88.

GEI Consultants

Appendix B

Laboratory Analytical Data Package – Groundwater Samples

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-19174-1
Client Project/Site: 102780, Schenectady

For:
GEI Consultants, Inc.
1301 Trumansburg Road
Suite N
Ithaca, New York 14850

Attn: Mr. John Finn

Authorized for release by:
3/12/2013 9:17:16 AM

David Dunlap
Laboratory Technical Director
dave.dunlap@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 180-19174-1

Laboratory: TestAmerica Pittsburgh

Narrative

CASE NARRATIVE

Client: GEI Consultants, Inc.

Project: 102780, Schenectady

Report Number: 180-19174-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 02/27/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.9ºC and 2.1ºC.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
All of the samples except TRIP BLANK (180-19174-6) contained compounds over the calibration range and required dilution.

Acetone recovered above the control limits in the laboratory control sample LCS 180-65402/8.

The matrix spike recoveries of sample SMW-4 (180-19174-4) for benzene and trans-1,3-dichloropropene were above the control limits. The RPD between the matrix spikes was above the control limits for acetone.

No other difficulties were encountered during the analysis.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample SMW-3 (180-19174-3) contained naphthalene over the calibration range and required dilution.

Benzaldehyde recovered slightly below the control limits in the laboratory control sample LCS 180-65267/2-A.

No other difficulties were encountered during the analysis.

TOTAL METALS
All of the samples contained sodium over the instrument's linear range and required dilution.

The matrix spike/matrix spike duplicate recoveries of sample SMW-4 (180-19174-4) for potassium were above the control limits.

No other difficulties were encountered during the analysis.

GENERAL CHEMISTRY
No difficulties were encountered during the analysis.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
E	Result exceeded calibration range.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
*	LCS or LCSD exceeds the control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13
California	NELAP	9	4224CA	03-31-13
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-04-13
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-13
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-13
South Carolina	State Program	4	89014	04-30-13
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	04-28-13
Utah	NELAP	8	STLP	04-30-13
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13

Sample Summary

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-19174-1	SMW-1	Water	02/26/13 11:10	02/27/13 09:30
180-19174-2	SMW-2	Water	02/26/13 12:00	02/27/13 09:30
180-19174-3	SMW-3	Water	02/26/13 14:15	02/27/13 09:30
180-19174-4	SMW-4	Water	02/26/13 12:45	02/27/13 09:30
180-19174-5	DUP02262013	Water	02/26/13 00:00	02/27/13 09:30
180-19174-6	TRIP BLANK	Water	02/26/13 00:00	02/27/13 09:30

Method Summary

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
6010B	Metals (ICP)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL PIT
9012A	Cyanide, Total and/or Amenable	SW846	TAL PIT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Client Sample ID: SMW-1

Lab Sample ID: 180-19174-1

Date Collected: 02/26/13 11:10

Matrix: Water

Date Received: 02/27/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		15	5 mL	5 mL	65789	03/09/13 09:03	MZ	TAL PIT
	Instrument ID: HP6									
Total/NA	Prep	3520C			940 mL	10.0 mL	65267	03/04/13 08:26	BT	TAL PIT
Total/NA	Analysis	8270C		1			65465	03/05/13 17:56	VP	TAL PIT
	Instrument ID: 733									
Total/NA	Prep	7470A			50.0 mL	50.0 mL	65295	03/04/13 12:47	JS	TAL PIT
Total/NA	Analysis	7470A		1			65344	03/04/13 17:44	JS	TAL PIT
	Instrument ID: G									
Total/NA	Prep	3010A			50 mL	50 mL	65042	02/28/13 09:08	CNS	TAL PIT
Total/NA	Analysis	6010B		1			65347	03/04/13 14:26	RG	TAL PIT
	Instrument ID: T									
Total/NA	Analysis	6010B		5			65400	03/05/13 09:19	RG	TAL PIT
	Instrument ID: T									
Total/NA	Prep	9012A			50 mL	50 mL	65160	03/01/13 09:20	PJ	TAL PIT
Total/NA	Analysis	9012A		1			65188	03/01/13 12:10	PJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SMW-2

Lab Sample ID: 180-19174-2

Date Collected: 02/26/13 12:00

Matrix: Water

Date Received: 02/27/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	65789	03/09/13 09:28	MZ	TAL PIT
	Instrument ID: HP6									
Total/NA	Prep	3520C			940 mL	10.0 mL	65267	03/04/13 08:26	BT	TAL PIT
Total/NA	Analysis	8270C		1			65465	03/05/13 18:23	VP	TAL PIT
	Instrument ID: 733									
Total/NA	Prep	7470A			50.0 mL	50.0 mL	65295	03/04/13 12:47	JS	TAL PIT
Total/NA	Analysis	7470A		1			65344	03/04/13 17:46	JS	TAL PIT
	Instrument ID: G									
Total/NA	Prep	3010A			50 mL	50 mL	65042	02/28/13 09:08	CNS	TAL PIT
Total/NA	Analysis	6010B		1			65347	03/04/13 14:32	RG	TAL PIT
	Instrument ID: T									
Total/NA	Analysis	6010B		5			65400	03/05/13 09:24	RG	TAL PIT
	Instrument ID: T									
Total/NA	Prep	9012A			50 mL	50 mL	65160	03/01/13 09:20	PJ	TAL PIT
Total/NA	Analysis	9012A		1			65188	03/01/13 12:10	PJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Client Sample ID: SMW-3

Date Collected: 02/26/13 14:15
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	65789	03/09/13 09:52	MZ	TAL PIT
	Instrument ID: HP6									
Total/NA	Prep	3520C			920 mL	10.0 mL	65267	03/04/13 08:26	BT	TAL PIT
Total/NA	Analysis	8270C		1			65465	03/05/13 18:51	VP	TAL PIT
	Instrument ID: 733									
Total/NA	Prep	3520C	DL		920 mL	10.0 mL	65267	03/04/13 08:26	BT	TAL PIT
Total/NA	Analysis	8270C	DL	5			65573	03/06/13 14:19	VP	TAL PIT
	Instrument ID: 733									
Total/NA	Prep	7470A			50.0 mL	50.0 mL	65295	03/04/13 12:47	JS	TAL PIT
Total/NA	Analysis	7470A		1			65344	03/04/13 17:48	JS	TAL PIT
	Instrument ID: G									
Total/NA	Prep	3010A			50 mL	50 mL	65042	02/28/13 09:08	CNS	TAL PIT
Total/NA	Analysis	6010B		1			65347	03/04/13 14:38	RG	TAL PIT
	Instrument ID: T									
Total/NA	Analysis	6010B		5			65400	03/05/13 09:30	RG	TAL PIT
	Instrument ID: T									
Total/NA	Prep	9012A			50 mL	50 mL	65160	03/01/13 09:20	PJ	TAL PIT
Total/NA	Analysis	9012A		1			65188	03/01/13 12:10	PJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: SMW-4

Date Collected: 02/26/13 12:45
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	65402	03/05/13 10:07	DF	TAL PIT
	Instrument ID: HP5									
Total/NA	Analysis	8260B	DL	50	5 mL	5 mL	65402	03/05/13 11:49	DF	TAL PIT
	Instrument ID: HP5									
Total/NA	Prep	3520C			940 mL	10.0 mL	65267	03/04/13 08:26	BT	TAL PIT
Total/NA	Analysis	8270C		1			65573	03/06/13 14:47	VP	TAL PIT
	Instrument ID: 733									
Total/NA	Prep	7470A			50.0 mL	50.0 mL	65295	03/04/13 12:47	JS	TAL PIT
Total/NA	Analysis	7470A		1			65344	03/04/13 17:51	JS	TAL PIT
	Instrument ID: G									
Total/NA	Prep	3010A			50 mL	50 mL	65042	02/28/13 09:08	CNS	TAL PIT
Total/NA	Analysis	6010B		1			65347	03/04/13 14:44	RG	TAL PIT
	Instrument ID: T									
Total/NA	Analysis	6010B		10			65400	03/05/13 09:36	RG	TAL PIT
	Instrument ID: T									
Total/NA	Prep	9012A			50 mL	50 mL	65160	03/01/13 09:20	PJ	TAL PIT
Total/NA	Analysis	9012A		1			65188	03/01/13 12:10	PJ	TAL PIT
	Instrument ID: KONELAB1									

Lab Chronicle

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Client Sample ID: DUP02262013

Lab Sample ID: 180-19174-5

Date Collected: 02/26/13 00:00

Matrix: Water

Date Received: 02/27/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	65789	03/09/13 10:16	MZ	TAL PIT
	Instrument ID: HP6									
Total/NA	Prep	3520C			960 mL	10.0 mL	65267	03/04/13 08:26	BT	TAL PIT
Total/NA	Analysis	8270C		1			65465	03/05/13 19:19	VP	TAL PIT
	Instrument ID: 733									
Total/NA	Prep	7470A			50.0 mL	50.0 mL	65295	03/04/13 12:47	JS	TAL PIT
Total/NA	Analysis	7470A		1			65344	03/04/13 17:56	JS	TAL PIT
	Instrument ID: G									
Total/NA	Prep	3010A			50 mL	50 mL	65042	02/28/13 09:08	CNS	TAL PIT
Total/NA	Analysis	6010B		1			65347	03/04/13 15:19	RG	TAL PIT
	Instrument ID: T									
Total/NA	Analysis	6010B		5			65400	03/05/13 10:11	RG	TAL PIT
	Instrument ID: T									
Total/NA	Prep	9012A			50 mL	50 mL	65160	03/01/13 09:20	PJ	TAL PIT
Total/NA	Analysis	9012A		1			65188	03/01/13 12:10	PJ	TAL PIT
	Instrument ID: KONELAB1									

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-19174-6

Date Collected: 02/26/13 00:00

Matrix: Water

Date Received: 02/27/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	65402	03/05/13 12:13	DF	TAL PIT
	Instrument ID: HP5									

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

BT = Bill Trout

CNS = Caitlin Ferguson

JS = Jim Swanson

PJ = Paul Johnson

Batch Type: Analysis

DF = Donald Ferguson

JS = Jim Swanson

MZ = Mike Zukowski

PJ = Paul Johnson

RG = Rob Good

VP = Vincent Piccolino

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Client Sample ID: SMW-1
Date Collected: 02/26/13 11:10
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		75	38	ug/L			03/09/13 09:03	15
Benzene	**240**		15	1.6	ug/L			03/09/13 09:03	15
Bromodichloromethane	ND		15	2.0	ug/L			03/09/13 09:03	15
Bromoform	ND		15	2.9	ug/L			03/09/13 09:03	15
Bromomethane	ND		15	4.7	ug/L			03/09/13 09:03	15
2-Butanone (MEK)	ND		75	8.2	ug/L			03/09/13 09:03	15
Carbon disulfide	ND		15	3.2	ug/L			03/09/13 09:03	15
Carbon tetrachloride	ND		15	2.0	ug/L			03/09/13 09:03	15
Chlorobenzene	ND		15	2.0	ug/L			03/09/13 09:03	15
Chloroethane	ND		15	3.2	ug/L			03/09/13 09:03	15
Chloroform	ND		15	2.6	ug/L			03/09/13 09:03	15
Dibromochloromethane	ND		15	2.0	ug/L			03/09/13 09:03	15
1,2-Dibromo-3-Chloropropane	ND		15	2.1	ug/L			03/09/13 09:03	15
1,2-Dibromoethane (EDB)	ND		15	2.7	ug/L			03/09/13 09:03	15
1,1-Dichloroethane	ND		15	1.7	ug/L			03/09/13 09:03	15
1,2-Dichloroethane	ND		15	3.2	ug/L			03/09/13 09:03	15
1,1-Dichloroethene	ND		15	4.4	ug/L			03/09/13 09:03	15
trans-1,2-Dichloroethene	ND		15	2.5	ug/L			03/09/13 09:03	15
1,2-Dichloropropane	ND		15	1.4	ug/L			03/09/13 09:03	15
cis-1,3-Dichloropropene	ND		15	2.8	ug/L			03/09/13 09:03	15
trans-1,3-Dichloropropene	ND		15	2.2	ug/L			03/09/13 09:03	15
Ethylbenzene	**18**		15	3.4	ug/L			03/09/13 09:03	15
2-Hexanone	ND		75	2.4	ug/L			03/09/13 09:03	15
Methylene Chloride	**10**	**J**	15	2.2	ug/L			03/09/13 09:03	15
4-Methyl-2-pentanone (MIBK)	ND		75	7.9	ug/L			03/09/13 09:03	15
Styrene	ND		15	1.4	ug/L			03/09/13 09:03	15
1,1,2,2-Tetrachloroethane	ND		15	3.0	ug/L			03/09/13 09:03	15
Tetrachloroethene	ND		15	2.2	ug/L			03/09/13 09:03	15
Toluene	**14**	**J**	15	2.3	ug/L			03/09/13 09:03	15
1,1,1-Trichloroethane	ND		15	4.3	ug/L			03/09/13 09:03	15
1,1,2-Trichloroethane	ND		15	3.0	ug/L			03/09/13 09:03	15
Trichloroethene	ND		15	2.1	ug/L			03/09/13 09:03	15
Trichlorofluoromethane	ND		15	3.0	ug/L			03/09/13 09:03	15
Vinyl chloride	ND		15	3.4	ug/L			03/09/13 09:03	15
Xylenes, Total	**36**	**J**	45	7.3	ug/L			03/09/13 09:03	15
Cyclohexane	ND		15	3.8	ug/L			03/09/13 09:03	15
cis-1,2-Dichloroethene	ND		15	3.6	ug/L			03/09/13 09:03	15
Dichlorodifluoromethane	ND		15	2.9	ug/L			03/09/13 09:03	15
Isopropylbenzene	ND		15	2.5	ug/L			03/09/13 09:03	15
Methyl acetate	ND		15	2.1	ug/L			03/09/13 09:03	15
Methylcyclohexane	ND		15	3.9	ug/L			03/09/13 09:03	15
Methyl tert-butyl ether	ND		15	2.7	ug/L			03/09/13 09:03	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15	4.8	ug/L			03/09/13 09:03	15
1,2-Dichlorobenzene	ND		15	2.3	ug/L			03/09/13 09:03	15
1,3-Dichlorobenzene	ND		15	1.6	ug/L			03/09/13 09:03	15
1,4-Dichlorobenzene	ND		15	3.1	ug/L			03/09/13 09:03	15
1,2,4-Trichlorobenzene	ND		15	4.1	ug/L			03/09/13 09:03	15
Chloromethane	ND		15	4.2	ug/L			03/09/13 09:03	15

Client Sample ID: SMW-1
Date Collected: 02/26/13 11:10
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*114*		*64 - 135*		*03/09/13 09:03*	*15*
Toluene-d8 (Surr)	*97*		*71 - 118*		*03/09/13 09:03*	*15*
4-Bromofluorobenzene (Surr)	*104*		*70 - 118*		*03/09/13 09:03*	*15*
Dibromofluoromethane (Surr)	*108*		*70 - 128*		*03/09/13 09:03*	*15*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**23**		2.1	0.15	ug/L		03/04/13 08:26	03/05/13 17:56	1
Acenaphthylene	**17**		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 17:56	1
Acetophenone	ND		11	0.85	ug/L		03/04/13 08:26	03/05/13 17:56	1
Anthracene	**2.8**		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 17:56	1
Atrazine	ND		11	0.95	ug/L		03/04/13 08:26	03/05/13 17:56	1
Benzaldehyde	ND		11	1.6	ug/L		03/04/13 08:26	03/05/13 17:56	1
Benzo[a]anthracene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 17:56	1
Benzo[a]pyrene	ND		2.1	0.14	ug/L		03/04/13 08:26	03/05/13 17:56	1
Benzo[b]fluoranthene	ND		2.1	0.17	ug/L		03/04/13 08:26	03/05/13 17:56	1
Benzo[g,h,i]perylene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 17:56	1
Benzo[k]fluoranthene	ND		2.1	0.58	ug/L		03/04/13 08:26	03/05/13 17:56	1
1,1'-Biphenyl	**5.6**	**J**	11	0.44	ug/L		03/04/13 08:26	03/05/13 17:56	1
Bis(2-chloroethoxy)methane	ND		11	0.62	ug/L		03/04/13 08:26	03/05/13 17:56	1
Bis(2-chloroethyl)ether	ND		2.1	0.27	ug/L		03/04/13 08:26	03/05/13 17:56	1
Bis(2-ethylhexyl) phthalate	ND		21	13	ug/L		03/04/13 08:26	03/05/13 17:56	1
4-Bromophenyl phenyl ether	ND		11	0.68	ug/L		03/04/13 08:26	03/05/13 17:56	1
Butyl benzyl phthalate	ND		11	1.5	ug/L		03/04/13 08:26	03/05/13 17:56	1
Caprolactam	ND		53	13	ug/L		03/04/13 08:26	03/05/13 17:56	1
Carbazole	**21**		2.1	0.17	ug/L		03/04/13 08:26	03/05/13 17:56	1
4-Chloroaniline	ND		11	0.94	ug/L		03/04/13 08:26	03/05/13 17:56	1
4-Chloro-3-methylphenol	ND		11	0.80	ug/L		03/04/13 08:26	03/05/13 17:56	1
2-Chloronaphthalene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 17:56	1
2-Chlorophenol	ND		11	1.8	ug/L		03/04/13 08:26	03/05/13 17:56	1
4-Chlorophenyl phenyl ether	ND		11	0.54	ug/L		03/04/13 08:26	03/05/13 17:56	1
Chrysene	ND		2.1	0.15	ug/L		03/04/13 08:26	03/05/13 17:56	1
Dibenz(a,h)anthracene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 17:56	1
Dibenzofuran	**18**		11	0.66	ug/L		03/04/13 08:26	03/05/13 17:56	1
3,3'-Dichlorobenzidine	ND		11	1.2	ug/L		03/04/13 08:26	03/05/13 17:56	1
2,4-Dichlorophenol	ND		2.1	0.36	ug/L		03/04/13 08:26	03/05/13 17:56	1
Diethyl phthalate	ND		11	1.6	ug/L		03/04/13 08:26	03/05/13 17:56	1
2,4-Dimethylphenol	**4.6**	**J**	11	0.91	ug/L		03/04/13 08:26	03/05/13 17:56	1
Dimethyl phthalate	ND		11	0.81	ug/L		03/04/13 08:26	03/05/13 17:56	1
Di-n-butyl phthalate	ND		11	1.3	ug/L		03/04/13 08:26	03/05/13 17:56	1
4,6-Dinitro-2-methylphenol	ND		53	2.3	ug/L		03/04/13 08:26	03/05/13 17:56	1
2,4-Dinitrophenol	ND		53	6.5	ug/L		03/04/13 08:26	03/05/13 17:56	1
2,4-Dinitrotoluene	ND		11	0.57	ug/L		03/04/13 08:26	03/05/13 17:56	1
2,6-Dinitrotoluene	ND		11	0.85	ug/L		03/04/13 08:26	03/05/13 17:56	1
Di-n-octyl phthalate	ND		11	2.2	ug/L		03/04/13 08:26	03/05/13 17:56	1
Fluoranthene	**3.6**		2.1	0.17	ug/L		03/04/13 08:26	03/05/13 17:56	1
Fluorene	**17**		2.1	0.23	ug/L		03/04/13 08:26	03/05/13 17:56	1
Hexachlorobenzene	ND		2.1	0.19	ug/L		03/04/13 08:26	03/05/13 17:56	1
Hexachlorobutadiene	ND		2.1	0.18	ug/L		03/04/13 08:26	03/05/13 17:56	1
Hexachlorocyclopentadiene	ND		11	0.55	ug/L		03/04/13 08:26	03/05/13 17:56	1

Client Sample ID: SMW-1
Date Collected: 02/26/13 11:10
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-1
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		11	0.67	ug/L		03/04/13 08:26	03/05/13 17:56	1
Indeno[1,2,3-cd]pyrene	ND		2.1	0.21	ug/L		03/04/13 08:26	03/05/13 17:56	1
Isophorone	ND		11	0.69	ug/L		03/04/13 08:26	03/05/13 17:56	1
2-Methylnaphthalene	**17**		2.1	0.13	ug/L		03/04/13 08:26	03/05/13 17:56	1
4-Methylphenol	ND		11	0.96	ug/L		03/04/13 08:26	03/05/13 17:56	1
2-Methylphenol	ND		11	0.92	ug/L		03/04/13 08:26	03/05/13 17:56	1
Naphthalene	**400**		2.1	0.15	ug/L		03/04/13 08:26	03/05/13 17:56	1
2-Nitroaniline	ND		53	3.7	ug/L		03/04/13 08:26	03/05/13 17:56	1
3-Nitroaniline	ND		53	3.4	ug/L		03/04/13 08:26	03/05/13 17:56	1
4-Nitroaniline	ND		53	1.8	ug/L		03/04/13 08:26	03/05/13 17:56	1
Nitrobenzene	ND		21	0.90	ug/L		03/04/13 08:26	03/05/13 17:56	1
2-Nitrophenol	ND		11	1.8	ug/L		03/04/13 08:26	03/05/13 17:56	1
4-Nitrophenol	ND		53	6.9	ug/L		03/04/13 08:26	03/05/13 17:56	1
N-Nitrosodi-n-propylamine	ND		2.1	0.33	ug/L		03/04/13 08:26	03/05/13 17:56	1
N-Nitrosodiphenylamine	ND		11	0.91	ug/L		03/04/13 08:26	03/05/13 17:56	1
2,2'-oxybis[1-chloropropane]	ND		2.1	0.21	ug/L		03/04/13 08:26	03/05/13 17:56	1
Pentachlorophenol	ND		11	0.71	ug/L		03/04/13 08:26	03/05/13 17:56	1
Phenanthrene	**27**		2.1	0.45	ug/L		03/04/13 08:26	03/05/13 17:56	1
Phenol	**7.4**		2.1	0.62	ug/L		03/04/13 08:26	03/05/13 17:56	1
Pyrene	**2.0**	**J**	2.1	0.17	ug/L		03/04/13 08:26	03/05/13 17:56	1
2,4,5-Trichlorophenol	ND		11	1.6	ug/L		03/04/13 08:26	03/05/13 17:56	1
2,4,6-Trichlorophenol	ND		11	1.9	ug/L		03/04/13 08:26	03/05/13 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*35 - 108*	*03/04/13 08:26*	*03/05/13 17:56*	*1*
2-Fluorophenol	*62*		*26 - 100*	*03/04/13 08:26*	*03/05/13 17:56*	*1*
Nitrobenzene-d5	*59*		*37 - 104*	*03/04/13 08:26*	*03/05/13 17:56*	*1*
Phenol-d5	*63*		*30 - 102*	*03/04/13 08:26*	*03/05/13 17:56*	*1*
Terphenyl-d14	*49*		*25 - 130*	*03/04/13 08:26*	*03/05/13 17:56*	*1*
2,4,6-Tribromophenol	*68*		*33 - 122*	*03/04/13 08:26*	*03/05/13 17:56*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**74**	**J B**	200	9.7	ug/L		02/28/13 09:08	03/04/13 14:26	1
Antimony	ND		10	1.3	ug/L		02/28/13 09:08	03/04/13 14:26	1
Arsenic	**18**		10	2.7	ug/L		02/28/13 09:08	03/04/13 14:26	1
Barium	**320**		200	0.62	ug/L		02/28/13 09:08	03/04/13 14:26	1
Beryllium	ND		4.0	0.23	ug/L		02/28/13 09:08	03/04/13 14:26	1
Cadmium	ND		5.0	0.13	ug/L		02/28/13 09:08	03/04/13 14:26	1
Calcium	**220000**	**B**	5000	9.7	ug/L		02/28/13 09:08	03/04/13 14:26	1
Chromium	ND		5.0	0.57	ug/L		02/28/13 09:08	03/04/13 14:26	1
Cobalt	**0.77**	**J**	50	0.40	ug/L		02/28/13 09:08	03/04/13 14:26	1
Copper	ND		25	2.7	ug/L		02/28/13 09:08	03/04/13 14:26	1
Iron	**9900**	**B**	100	12	ug/L		02/28/13 09:08	03/04/13 14:26	1
Lead	ND		3.0	1.3	ug/L		02/28/13 09:08	03/04/13 14:26	1
Magnesium	**40000**		5000	21	ug/L		02/28/13 09:08	03/04/13 14:26	1
Manganese	**270**		15	0.68	ug/L		02/28/13 09:08	03/04/13 14:26	1
Nickel	**6.3**	**J**	40	1.6	ug/L		02/28/13 09:08	03/04/13 14:26	1
Potassium	**28000**		5000	750	ug/L		02/28/13 09:08	03/04/13 14:26	1
Selenium	ND		5.0	3.0	ug/L		02/28/13 09:08	03/04/13 14:26	1

Client Sample ID: SMW-1

Lab Sample ID: 180-19174-1

Date Collected: 02/26/13 11:10

Matrix: Water

Date Received: 02/27/13 09:30

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		5.0	0.68	ug/L		02/28/13 09:08	03/04/13 14:26	1
Sodium	**780000**		25000	1100	ug/L		02/28/13 09:08	03/05/13 09:19	5
Thallium	ND		10	2.4	ug/L		02/28/13 09:08	03/04/13 14:26	1
Vanadium	ND		50	1.9	ug/L		02/28/13 09:08	03/04/13 14:26	1
Zinc	**4.4**	**J B**	20	2.5	ug/L		02/28/13 09:08	03/04/13 14:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		03/04/13 12:47	03/04/13 17:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**9.2**	**J**	10	1.5	ug/L		03/01/13 09:20	03/01/13 12:10	1

Client Sample ID: SMW-2

Lab Sample ID: 180-19174-2

Date Collected: 02/26/13 12:00

Matrix: Water

Date Received: 02/27/13 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		100	50	ug/L			03/09/13 09:28	20
Benzene	**320**		20	2.1	ug/L			03/09/13 09:28	20
Bromodichloromethane	ND		20	2.6	ug/L			03/09/13 09:28	20
Bromoform	ND		20	3.8	ug/L			03/09/13 09:28	20
Bromomethane	ND		20	6.3	ug/L			03/09/13 09:28	20
2-Butanone (MEK)	ND		100	11	ug/L			03/09/13 09:28	20
Carbon disulfide	ND		20	4.2	ug/L			03/09/13 09:28	20
Carbon tetrachloride	ND		20	2.7	ug/L			03/09/13 09:28	20
Chlorobenzene	ND		20	2.7	ug/L			03/09/13 09:28	20
Chloroethane	ND		20	4.3	ug/L			03/09/13 09:28	20
Chloroform	ND		20	3.4	ug/L			03/09/13 09:28	20
Dibromochloromethane	ND		20	2.7	ug/L			03/09/13 09:28	20
1,2-Dibromo-3-Chloropropane	ND		20	2.8	ug/L			03/09/13 09:28	20
1,2-Dibromoethane (EDB)	ND		20	3.6	ug/L			03/09/13 09:28	20
1,1-Dichloroethane	ND		20	2.3	ug/L			03/09/13 09:28	20
1,2-Dichloroethane	ND		20	4.2	ug/L			03/09/13 09:28	20
1,1-Dichloroethene	ND		20	5.9	ug/L			03/09/13 09:28	20
trans-1,2-Dichloroethene	ND		20	3.4	ug/L			03/09/13 09:28	20
1,2-Dichloropropane	ND		20	1.9	ug/L			03/09/13 09:28	20
cis-1,3-Dichloropropene	ND		20	3.7	ug/L			03/09/13 09:28	20
trans-1,3-Dichloropropene	ND		20	3.0	ug/L			03/09/13 09:28	20
Ethylbenzene	**16**	**J**	20	4.5	ug/L			03/09/13 09:28	20
2-Hexanone	ND		100	3.2	ug/L			03/09/13 09:28	20
Methylene Chloride	**13**	**J**	20	3.0	ug/L			03/09/13 09:28	20
4-Methyl-2-pentanone (MIBK)	ND		100	11	ug/L			03/09/13 09:28	20
Styrene	ND		20	1.9	ug/L			03/09/13 09:28	20
1,1,2,2-Tetrachloroethane	ND		20	4.0	ug/L			03/09/13 09:28	20
Tetrachloroethene	ND		20	3.0	ug/L			03/09/13 09:28	20
Toluene	**6.1**	**J**	20	3.0	ug/L			03/09/13 09:28	20
1,1,1-Trichloroethane	ND		20	5.7	ug/L			03/09/13 09:28	20

Client Sample ID: SMW-2
Date Collected: 02/26/13 12:00
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		20	4.0	ug/L			03/09/13 09:28	20
Trichloroethene	ND		20	2.9	ug/L			03/09/13 09:28	20
Trichlorofluoromethane	ND		20	4.0	ug/L			03/09/13 09:28	20
Vinyl chloride	ND		20	4.5	ug/L			03/09/13 09:28	20
Xylenes, Total	**24**	**J**	60	9.8	ug/L			03/09/13 09:28	20
Cyclohexane	ND		20	5.1	ug/L			03/09/13 09:28	20
cis-1,2-Dichloroethene	ND		20	4.7	ug/L			03/09/13 09:28	20
Dichlorodifluoromethane	ND		20	3.9	ug/L			03/09/13 09:28	20
Isopropylbenzene	ND		20	3.3	ug/L			03/09/13 09:28	20
Methyl acetate	ND		20	2.8	ug/L			03/09/13 09:28	20
Methylcyclohexane	ND		20	5.2	ug/L			03/09/13 09:28	20
Methyl tert-butyl ether	ND		20	3.7	ug/L			03/09/13 09:28	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.4	ug/L			03/09/13 09:28	20
1,2-Dichlorobenzene	ND		20	3.0	ug/L			03/09/13 09:28	20
1,3-Dichlorobenzene	ND		20	2.1	ug/L			03/09/13 09:28	20
1,4-Dichlorobenzene	ND		20	4.1	ug/L			03/09/13 09:28	20
1,2,4-Trichlorobenzene	ND		20	5.4	ug/L			03/09/13 09:28	20
Chloromethane	ND		20	5.7	ug/L			03/09/13 09:28	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*64 - 135*		*03/09/13 09:28*	*20*
Toluene-d8 (Surr)	*100*		*71 - 118*		*03/09/13 09:28*	*20*
4-Bromofluorobenzene (Surr)	*102*		*70 - 118*		*03/09/13 09:28*	*20*
Dibromofluoromethane (Surr)	*102*		*70 - 128*		*03/09/13 09:28*	*20*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.4**		2.1	0.15	ug/L		03/04/13 08:26	03/05/13 18:23	1
Acenaphthylene	**1.4**	**J**	2.1	0.16	ug/L		03/04/13 08:26	03/05/13 18:23	1
Acetophenone	ND		11	0.85	ug/L		03/04/13 08:26	03/05/13 18:23	1
Anthracene	**0.16**	**J**	2.1	0.16	ug/L		03/04/13 08:26	03/05/13 18:23	1
Atrazine	ND		11	0.95	ug/L		03/04/13 08:26	03/05/13 18:23	1
Benzaldehyde	ND		11	1.6	ug/L		03/04/13 08:26	03/05/13 18:23	1
Benzo[a]anthracene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 18:23	1
Benzo[a]pyrene	ND		2.1	0.14	ug/L		03/04/13 08:26	03/05/13 18:23	1
Benzo[b]fluoranthene	ND		2.1	0.17	ug/L		03/04/13 08:26	03/05/13 18:23	1
Benzo[g,h,i]perylene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 18:23	1
Benzo[k]fluoranthene	ND		2.1	0.58	ug/L		03/04/13 08:26	03/05/13 18:23	1
1,1'-Biphenyl	**0.64**	**J**	11	0.44	ug/L		03/04/13 08:26	03/05/13 18:23	1
Bis(2-chloroethoxy)methane	ND		11	0.62	ug/L		03/04/13 08:26	03/05/13 18:23	1
Bis(2-chloroethyl)ether	ND		2.1	0.27	ug/L		03/04/13 08:26	03/05/13 18:23	1
Bis(2-ethylhexyl) phthalate	ND		21	13	ug/L		03/04/13 08:26	03/05/13 18:23	1
4-Bromophenyl phenyl ether	ND		11	0.68	ug/L		03/04/13 08:26	03/05/13 18:23	1
Butyl benzyl phthalate	ND		11	1.5	ug/L		03/04/13 08:26	03/05/13 18:23	1
Caprolactam	ND		53	13	ug/L		03/04/13 08:26	03/05/13 18:23	1
Carbazole	**2.2**		2.1	0.17	ug/L		03/04/13 08:26	03/05/13 18:23	1
4-Chloroaniline	ND		11	0.94	ug/L		03/04/13 08:26	03/05/13 18:23	1
4-Chloro-3-methylphenol	ND		11	0.80	ug/L		03/04/13 08:26	03/05/13 18:23	1
2-Chloronaphthalene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 18:23	1
2-Chlorophenol	ND		11	1.8	ug/L		03/04/13 08:26	03/05/13 18:23	1

Client Sample ID: SMW-2
Date Collected: 02/26/13 12:00
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-2
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		11	0.54	ug/L		03/04/13 08:26	03/05/13 18:23	1
Chrysene	ND		2.1	0.15	ug/L		03/04/13 08:26	03/05/13 18:23	1
Dibenz(a,h)anthracene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 18:23	1
Dibenzofuran	**1.1**	**J**	11	0.66	ug/L		03/04/13 08:26	03/05/13 18:23	1
3,3'-Dichlorobenzidine	ND		11	1.2	ug/L		03/04/13 08:26	03/05/13 18:23	1
2,4-Dichlorophenol	ND		2.1	0.36	ug/L		03/04/13 08:26	03/05/13 18:23	1
Diethyl phthalate	ND		11	1.6	ug/L		03/04/13 08:26	03/05/13 18:23	1
2,4-Dimethylphenol	**6.9**	**J**	11	0.91	ug/L		03/04/13 08:26	03/05/13 18:23	1
Dimethyl phthalate	ND		11	0.81	ug/L		03/04/13 08:26	03/05/13 18:23	1
Di-n-butyl phthalate	ND		11	1.3	ug/L		03/04/13 08:26	03/05/13 18:23	1
4,6-Dinitro-2-methylphenol	ND		53	2.3	ug/L		03/04/13 08:26	03/05/13 18:23	1
2,4-Dinitrophenol	ND		53	6.5	ug/L		03/04/13 08:26	03/05/13 18:23	1
2,4-Dinitrotoluene	ND		11	0.57	ug/L		03/04/13 08:26	03/05/13 18:23	1
2,6-Dinitrotoluene	ND		11	0.85	ug/L		03/04/13 08:26	03/05/13 18:23	1
Di-n-octyl phthalate	ND		11	2.2	ug/L		03/04/13 08:26	03/05/13 18:23	1
Fluoranthene	ND		2.1	0.17	ug/L		03/04/13 08:26	03/05/13 18:23	1
Fluorene	**1.1**	**J**	2.1	0.23	ug/L		03/04/13 08:26	03/05/13 18:23	1
Hexachlorobenzene	ND		2.1	0.19	ug/L		03/04/13 08:26	03/05/13 18:23	1
Hexachlorobutadiene	ND		2.1	0.18	ug/L		03/04/13 08:26	03/05/13 18:23	1
Hexachlorocyclopentadiene	ND		11	0.55	ug/L		03/04/13 08:26	03/05/13 18:23	1
Hexachloroethane	ND		11	0.67	ug/L		03/04/13 08:26	03/05/13 18:23	1
Indeno[1,2,3-cd]pyrene	ND		2.1	0.21	ug/L		03/04/13 08:26	03/05/13 18:23	1
Isophorone	ND		11	0.69	ug/L		03/04/13 08:26	03/05/13 18:23	1
2-Methylnaphthalene	**1.9**	**J**	2.1	0.13	ug/L		03/04/13 08:26	03/05/13 18:23	1
4-Methylphenol	ND		11	0.96	ug/L		03/04/13 08:26	03/05/13 18:23	1
2-Methylphenol	ND		11	0.92	ug/L		03/04/13 08:26	03/05/13 18:23	1
Naphthalene	**160**		2.1	0.15	ug/L		03/04/13 08:26	03/05/13 18:23	1
2-Nitroaniline	ND		53	3.7	ug/L		03/04/13 08:26	03/05/13 18:23	1
3-Nitroaniline	ND		53	3.4	ug/L		03/04/13 08:26	03/05/13 18:23	1
4-Nitroaniline	ND		53	1.8	ug/L		03/04/13 08:26	03/05/13 18:23	1
Nitrobenzene	ND		21	0.90	ug/L		03/04/13 08:26	03/05/13 18:23	1
2-Nitrophenol	ND		11	1.8	ug/L		03/04/13 08:26	03/05/13 18:23	1
4-Nitrophenol	ND		53	6.9	ug/L		03/04/13 08:26	03/05/13 18:23	1
N-Nitrosodi-n-propylamine	ND		2.1	0.33	ug/L		03/04/13 08:26	03/05/13 18:23	1
N-Nitrosodiphenylamine	ND		11	0.91	ug/L		03/04/13 08:26	03/05/13 18:23	1
2,2'-oxybis[1-chloropropane]	ND		2.1	0.21	ug/L		03/04/13 08:26	03/05/13 18:23	1
Pentachlorophenol	ND		11	0.71	ug/L		03/04/13 08:26	03/05/13 18:23	1
Phenanthrene	**1.2**	**J**	2.1	0.45	ug/L		03/04/13 08:26	03/05/13 18:23	1
Phenol	**21**		2.1	0.62	ug/L		03/04/13 08:26	03/05/13 18:23	1
Pyrene	ND		2.1	0.17	ug/L		03/04/13 08:26	03/05/13 18:23	1
2,4,5-Trichlorophenol	ND		11	1.6	ug/L		03/04/13 08:26	03/05/13 18:23	1
2,4,6-Trichlorophenol	ND		11	1.9	ug/L		03/04/13 08:26	03/05/13 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*35 - 108*	*03/04/13 08:26*	*03/05/13 18:23*	*1*
2-Fluorophenol	*69*		*26 - 100*	*03/04/13 08:26*	*03/05/13 18:23*	*1*
Nitrobenzene-d5	*65*		*37 - 104*	*03/04/13 08:26*	*03/05/13 18:23*	*1*
Phenol-d5	*72*		*30 - 102*	*03/04/13 08:26*	*03/05/13 18:23*	*1*
Terphenyl-d14	*54*		*25 - 130*	*03/04/13 08:26*	*03/05/13 18:23*	*1*
2,4,6-Tribromophenol	*74*		*33 - 122*	*03/04/13 08:26*	*03/05/13 18:23*	*1*

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Client Sample ID: SMW-2

Lab Sample ID: 180-19174-2

Date Collected: 02/26/13 12:00

Matrix: Water

Date Received: 02/27/13 09:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**34**	**J B**	200	9.7	ug/L		02/28/13 09:08	03/04/13 14:32	1
Antimony	ND		10	1.3	ug/L		02/28/13 09:08	03/04/13 14:32	1
Arsenic	**15**		10	2.7	ug/L		02/28/13 09:08	03/04/13 14:32	1
Barium	**460**		200	0.62	ug/L		02/28/13 09:08	03/04/13 14:32	1
Beryllium	ND		4.0	0.23	ug/L		02/28/13 09:08	03/04/13 14:32	1
Cadmium	ND		5.0	0.13	ug/L		02/28/13 09:08	03/04/13 14:32	1
Calcium	**220000**	**B**	5000	9.7	ug/L		02/28/13 09:08	03/04/13 14:32	1
Chromium	ND		5.0	0.57	ug/L		02/28/13 09:08	03/04/13 14:32	1
Cobalt	**2.6**	**J**	50	0.40	ug/L		02/28/13 09:08	03/04/13 14:32	1
Copper	ND		25	2.7	ug/L		02/28/13 09:08	03/04/13 14:32	1
Iron	**33000**	**B**	100	12	ug/L		02/28/13 09:08	03/04/13 14:32	1
Lead	ND		3.0	1.3	ug/L		02/28/13 09:08	03/04/13 14:32	1
Magnesium	**34000**		5000	21	ug/L		02/28/13 09:08	03/04/13 14:32	1
Manganese	**790**		15	0.68	ug/L		02/28/13 09:08	03/04/13 14:32	1
Nickel	**6.9**	**J**	40	1.6	ug/L		02/28/13 09:08	03/04/13 14:32	1
Potassium	**25000**		5000	750	ug/L		02/28/13 09:08	03/04/13 14:32	1
Selenium	ND		5.0	3.0	ug/L		02/28/13 09:08	03/04/13 14:32	1
Silver	ND		5.0	0.68	ug/L		02/28/13 09:08	03/04/13 14:32	1
Sodium	**780000**		25000	1100	ug/L		02/28/13 09:08	03/05/13 09:24	5
Thallium	ND		10	2.4	ug/L		02/28/13 09:08	03/04/13 14:32	1
Vanadium	**1.9**	**J**	50	1.9	ug/L		02/28/13 09:08	03/04/13 14:32	1
Zinc	**5.9**	**J B**	20	2.5	ug/L		02/28/13 09:08	03/04/13 14:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		03/04/13 12:47	03/04/13 17:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**39**		10	1.5	ug/L		03/01/13 09:20	03/01/13 12:10	1

Client Sample ID: SMW-3

Lab Sample ID: 180-19174-3

Date Collected: 02/26/13 14:15

Matrix: Water

Date Received: 02/27/13 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		100	50	ug/L			03/09/13 09:52	20
Benzene	**310**		20	2.1	ug/L			03/09/13 09:52	20
Bromodichloromethane	ND		20	2.6	ug/L			03/09/13 09:52	20
Bromoform	ND		20	3.8	ug/L			03/09/13 09:52	20
Bromomethane	ND		20	6.3	ug/L			03/09/13 09:52	20
2-Butanone (MEK)	ND		100	11	ug/L			03/09/13 09:52	20
Carbon disulfide	ND		20	4.2	ug/L			03/09/13 09:52	20
Carbon tetrachloride	ND		20	2.7	ug/L			03/09/13 09:52	20
Chlorobenzene	ND		20	2.7	ug/L			03/09/13 09:52	20
Chloroethane	ND		20	4.3	ug/L			03/09/13 09:52	20
Chloroform	ND		20	3.4	ug/L			03/09/13 09:52	20
Dibromochloromethane	ND		20	2.7	ug/L			03/09/13 09:52	20
1,2-Dibromo-3-Chloropropane	ND		20	2.8	ug/L			03/09/13 09:52	20

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Client Sample ID: SMW-3
Date Collected: 02/26/13 14:15
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		20	3.6	ug/L			03/09/13 09:52	20
1,1-Dichloroethane	ND		20	2.3	ug/L			03/09/13 09:52	20
1,2-Dichloroethane	ND		20	4.2	ug/L			03/09/13 09:52	20
1,1-Dichloroethene	ND		20	5.9	ug/L			03/09/13 09:52	20
trans-1,2-Dichloroethene	ND		20	3.4	ug/L			03/09/13 09:52	20
1,2-Dichloropropane	ND		20	1.9	ug/L			03/09/13 09:52	20
cis-1,3-Dichloropropene	ND		20	3.7	ug/L			03/09/13 09:52	20
trans-1,3-Dichloropropene	ND		20	3.0	ug/L			03/09/13 09:52	20
Ethylbenzene	**46**		20	4.5	ug/L			03/09/13 09:52	20
2-Hexanone	ND		100	3.2	ug/L			03/09/13 09:52	20
Methylene Chloride	**14**	**J**	20	3.0	ug/L			03/09/13 09:52	20
4-Methyl-2-pentanone (MIBK)	ND		100	11	ug/L			03/09/13 09:52	20
Styrene	ND		20	1.9	ug/L			03/09/13 09:52	20
1,1,2,2-Tetrachloroethane	ND		20	4.0	ug/L			03/09/13 09:52	20
Tetrachloroethene	ND		20	3.0	ug/L			03/09/13 09:52	20
Toluene	**11**	**J**	20	3.0	ug/L			03/09/13 09:52	20
1,1,1-Trichloroethane	ND		20	5.7	ug/L			03/09/13 09:52	20
1,1,2-Trichloroethane	ND		20	4.0	ug/L			03/09/13 09:52	20
Trichloroethene	ND		20	2.9	ug/L			03/09/13 09:52	20
Trichlorofluoromethane	ND		20	4.0	ug/L			03/09/13 09:52	20
Vinyl chloride	ND		20	4.5	ug/L			03/09/13 09:52	20
Xylenes, Total	**68**		60	9.8	ug/L			03/09/13 09:52	20
Cyclohexane	ND		20	5.1	ug/L			03/09/13 09:52	20
cis-1,2-Dichloroethene	ND		20	4.7	ug/L			03/09/13 09:52	20
Dichlorodifluoromethane	ND		20	3.9	ug/L			03/09/13 09:52	20
Isopropylbenzene	**5.3**	**J**	20	3.3	ug/L			03/09/13 09:52	20
Methyl acetate	ND		20	2.8	ug/L			03/09/13 09:52	20
Methylcyclohexane	ND		20	5.2	ug/L			03/09/13 09:52	20
Methyl tert-butyl ether	ND		20	3.7	ug/L			03/09/13 09:52	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.4	ug/L			03/09/13 09:52	20
1,2-Dichlorobenzene	ND		20	3.0	ug/L			03/09/13 09:52	20
1,3-Dichlorobenzene	ND		20	2.1	ug/L			03/09/13 09:52	20
1,4-Dichlorobenzene	ND		20	4.1	ug/L			03/09/13 09:52	20
1,2,4-Trichlorobenzene	ND		20	5.4	ug/L			03/09/13 09:52	20
Chloromethane	ND		20	5.7	ug/L			03/09/13 09:52	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*64 - 135*		*03/09/13 09:52*	*20*
Toluene-d8 (Surr)	*96*		*71 - 118*		*03/09/13 09:52*	*20*
4-Bromofluorobenzene (Surr)	*107*		*70 - 118*		*03/09/13 09:52*	*20*
Dibromofluoromethane (Surr)	*105*		*70 - 128*		*03/09/13 09:52*	*20*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**35**		2.2	0.16	ug/L		03/04/13 08:26	03/05/13 18:51	1
Acenaphthylene	**5.9**		2.2	0.17	ug/L		03/04/13 08:26	03/05/13 18:51	1
Acetophenone	ND		11	0.87	ug/L		03/04/13 08:26	03/05/13 18:51	1
Anthracene	**1.6**	**J**	2.2	0.17	ug/L		03/04/13 08:26	03/05/13 18:51	1
Atrazine	ND		11	0.97	ug/L		03/04/13 08:26	03/05/13 18:51	1
Benzaldehyde	ND		11	1.6	ug/L		03/04/13 08:26	03/05/13 18:51	1

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Client Sample ID: SMW-3
Date Collected: 02/26/13 14:15
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		2.2	0.16	ug/L		03/04/13 08:26	03/05/13 18:51	1
Benzo[a]pyrene	ND		2.2	0.15	ug/L		03/04/13 08:26	03/05/13 18:51	1
Benzo[b]fluoranthene	ND		2.2	0.17	ug/L		03/04/13 08:26	03/05/13 18:51	1
Benzo[g,h,i]perylene	ND		2.2	0.16	ug/L		03/04/13 08:26	03/05/13 18:51	1
Benzo[k]fluoranthene	ND		2.2	0.59	ug/L		03/04/13 08:26	03/05/13 18:51	1
1,1'-Biphenyl	**7.1**	**J**	11	0.45	ug/L		03/04/13 08:26	03/05/13 18:51	1
Bis(2-chloroethoxy)methane	ND		11	0.63	ug/L		03/04/13 08:26	03/05/13 18:51	1
Bis(2-chloroethyl)ether	ND		2.2	0.27	ug/L		03/04/13 08:26	03/05/13 18:51	1
Bis(2-ethylhexyl) phthalate	ND		22	14	ug/L		03/04/13 08:26	03/05/13 18:51	1
4-Bromophenyl phenyl ether	ND		11	0.69	ug/L		03/04/13 08:26	03/05/13 18:51	1
Butyl benzyl phthalate	ND		11	1.5	ug/L		03/04/13 08:26	03/05/13 18:51	1
Caprolactam	ND		54	13	ug/L		03/04/13 08:26	03/05/13 18:51	1
Carbazole	**25**		2.2	0.17	ug/L		03/04/13 08:26	03/05/13 18:51	1
4-Chloroaniline	ND		11	0.96	ug/L		03/04/13 08:26	03/05/13 18:51	1
4-Chloro-3-methylphenol	ND		11	0.82	ug/L		03/04/13 08:26	03/05/13 18:51	1
2-Chloronaphthalene	ND		2.2	0.16	ug/L		03/04/13 08:26	03/05/13 18:51	1
2-Chlorophenol	ND		11	1.8	ug/L		03/04/13 08:26	03/05/13 18:51	1
4-Chlorophenyl phenyl ether	ND		11	0.55	ug/L		03/04/13 08:26	03/05/13 18:51	1
Chrysene	ND		2.2	0.15	ug/L		03/04/13 08:26	03/05/13 18:51	1
Dibenz(a,h)anthracene	ND		2.2	0.17	ug/L		03/04/13 08:26	03/05/13 18:51	1
Dibenzofuran	**17**		11	0.67	ug/L		03/04/13 08:26	03/05/13 18:51	1
3,3'-Dichlorobenzidine	ND		11	1.2	ug/L		03/04/13 08:26	03/05/13 18:51	1
2,4-Dichlorophenol	ND		2.2	0.36	ug/L		03/04/13 08:26	03/05/13 18:51	1
Diethyl phthalate	**2.4**	**J**	11	1.6	ug/L		03/04/13 08:26	03/05/13 18:51	1
2,4-Dimethylphenol	**5.8**	**J**	11	0.93	ug/L		03/04/13 08:26	03/05/13 18:51	1
Dimethyl phthalate	ND		11	0.83	ug/L		03/04/13 08:26	03/05/13 18:51	1
Di-n-butyl phthalate	ND		11	1.4	ug/L		03/04/13 08:26	03/05/13 18:51	1
4,6-Dinitro-2-methylphenol	ND		54	2.4	ug/L		03/04/13 08:26	03/05/13 18:51	1
2,4-Dinitrophenol	ND		54	6.7	ug/L		03/04/13 08:26	03/05/13 18:51	1
2,4-Dinitrotoluene	ND		11	0.58	ug/L		03/04/13 08:26	03/05/13 18:51	1
2,6-Dinitrotoluene	ND		11	0.87	ug/L		03/04/13 08:26	03/05/13 18:51	1
Di-n-octyl phthalate	ND		11	2.2	ug/L		03/04/13 08:26	03/05/13 18:51	1
Fluoranthene	**1.3**	**J**	2.2	0.18	ug/L		03/04/13 08:26	03/05/13 18:51	1
Fluorene	**17**		2.2	0.23	ug/L		03/04/13 08:26	03/05/13 18:51	1
Hexachlorobenzene	ND		2.2	0.20	ug/L		03/04/13 08:26	03/05/13 18:51	1
Hexachlorobutadiene	ND		2.2	0.18	ug/L		03/04/13 08:26	03/05/13 18:51	1
Hexachlorocyclopentadiene	ND		11	0.56	ug/L		03/04/13 08:26	03/05/13 18:51	1
Hexachloroethane	ND		11	0.68	ug/L		03/04/13 08:26	03/05/13 18:51	1
Indeno[1,2,3-cd]pyrene	ND		2.2	0.22	ug/L		03/04/13 08:26	03/05/13 18:51	1
Isophorone	ND		11	0.70	ug/L		03/04/13 08:26	03/05/13 18:51	1
2-Methylnaphthalene	**32**		2.2	0.13	ug/L		03/04/13 08:26	03/05/13 18:51	1
4-Methylphenol	ND		11	0.98	ug/L		03/04/13 08:26	03/05/13 18:51	1
2-Methylphenol	ND		11	0.94	ug/L		03/04/13 08:26	03/05/13 18:51	1
Naphthalene	**560**	**E**	2.2	0.15	ug/L		03/04/13 08:26	03/05/13 18:51	1
2-Nitroaniline	ND		54	3.8	ug/L		03/04/13 08:26	03/05/13 18:51	1
3-Nitroaniline	ND		54	3.5	ug/L		03/04/13 08:26	03/05/13 18:51	1
4-Nitroaniline	ND		54	1.9	ug/L		03/04/13 08:26	03/05/13 18:51	1
Nitrobenzene	ND		22	0.92	ug/L		03/04/13 08:26	03/05/13 18:51	1
2-Nitrophenol	ND		11	1.9	ug/L		03/04/13 08:26	03/05/13 18:51	1

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Client Sample ID: SMW-3
Date Collected: 02/26/13 14:15
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		54	7.0	ug/L		03/04/13 08:26	03/05/13 18:51	1
N-Nitrosodi-n-propylamine	ND		2.2	0.33	ug/L		03/04/13 08:26	03/05/13 18:51	1
N-Nitrosodiphenylamine	ND		11	0.93	ug/L		03/04/13 08:26	03/05/13 18:51	1
2,2'-oxybis[1-chloropropane]	ND		2.2	0.21	ug/L		03/04/13 08:26	03/05/13 18:51	1
Pentachlorophenol	ND		11	0.72	ug/L		03/04/13 08:26	03/05/13 18:51	1
Phenanthrene	**13**		2.2	0.46	ug/L		03/04/13 08:26	03/05/13 18:51	1
Phenol	**8.5**		2.2	0.63	ug/L		03/04/13 08:26	03/05/13 18:51	1
Pyrene	**0.72**	**J**	2.2	0.17	ug/L		03/04/13 08:26	03/05/13 18:51	1
2,4,5-Trichlorophenol	ND		11	1.7	ug/L		03/04/13 08:26	03/05/13 18:51	1
2,4,6-Trichlorophenol	ND		11	1.9	ug/L		03/04/13 08:26	03/05/13 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*35 - 108*	*03/04/13 08:26*	*03/05/13 18:51*	*1*
2-Fluorophenol	*61*		*26 - 100*	*03/04/13 08:26*	*03/05/13 18:51*	*1*
Nitrobenzene-d5	*57*		*37 - 104*	*03/04/13 08:26*	*03/05/13 18:51*	*1*
Phenol-d5	*62*		*30 - 102*	*03/04/13 08:26*	*03/05/13 18:51*	*1*
Terphenyl-d14	*58*		*25 - 130*	*03/04/13 08:26*	*03/05/13 18:51*	*1*
2,4,6-Tribromophenol	*69*		*33 - 122*	*03/04/13 08:26*	*03/05/13 18:51*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**33**		11	0.78	ug/L		03/04/13 08:26	03/06/13 14:19	5
Acenaphthylene	**5.8**	**J**	11	0.83	ug/L		03/04/13 08:26	03/06/13 14:19	5
Acetophenone	ND		54	4.3	ug/L		03/04/13 08:26	03/06/13 14:19	5
Anthracene	**1.5**	**J**	11	0.84	ug/L		03/04/13 08:26	03/06/13 14:19	5
Atrazine	ND		54	4.8	ug/L		03/04/13 08:26	03/06/13 14:19	5
Benzaldehyde	ND	*	54	8.2	ug/L		03/04/13 08:26	03/06/13 14:19	5
Benzo[a]anthracene	ND		11	0.80	ug/L		03/04/13 08:26	03/06/13 14:19	5
Benzo[a]pyrene	ND		11	0.73	ug/L		03/04/13 08:26	03/06/13 14:19	5
Benzo[b]fluoranthene	ND		11	0.85	ug/L		03/04/13 08:26	03/06/13 14:19	5
Benzo[g,h,i]perylene	ND		11	0.82	ug/L		03/04/13 08:26	03/06/13 14:19	5
Benzo[k]fluoranthene	ND		11	3.0	ug/L		03/04/13 08:26	03/06/13 14:19	5
1,1'-Biphenyl	**7.3**	**J**	54	2.3	ug/L		03/04/13 08:26	03/06/13 14:19	5
Bis(2-chloroethoxy)methane	ND		54	3.2	ug/L		03/04/13 08:26	03/06/13 14:19	5
Bis(2-chloroethyl)ether	ND		11	1.4	ug/L		03/04/13 08:26	03/06/13 14:19	5
Bis(2-ethylhexyl) phthalate	ND		110	68	ug/L		03/04/13 08:26	03/06/13 14:19	5
4-Bromophenyl phenyl ether	ND		54	3.5	ug/L		03/04/13 08:26	03/06/13 14:19	5
Butyl benzyl phthalate	ND		54	7.7	ug/L		03/04/13 08:26	03/06/13 14:19	5
Caprolactam	ND		270	65	ug/L		03/04/13 08:26	03/06/13 14:19	5
Carbazole	**23**		11	0.86	ug/L		03/04/13 08:26	03/06/13 14:19	5
4-Chloroaniline	ND		54	4.8	ug/L		03/04/13 08:26	03/06/13 14:19	5
4-Chloro-3-methylphenol	ND		54	4.1	ug/L		03/04/13 08:26	03/06/13 14:19	5
2-Chloronaphthalene	ND		11	0.82	ug/L		03/04/13 08:26	03/06/13 14:19	5
2-Chlorophenol	ND		54	9.0	ug/L		03/04/13 08:26	03/06/13 14:19	5
4-Chlorophenyl phenyl ether	ND		54	2.7	ug/L		03/04/13 08:26	03/06/13 14:19	5
Chrysene	ND		11	0.76	ug/L		03/04/13 08:26	03/06/13 14:19	5
Dibenz(a,h)anthracene	ND		11	0.84	ug/L		03/04/13 08:26	03/06/13 14:19	5
Dibenzofuran	**17**	**J**	54	3.4	ug/L		03/04/13 08:26	03/06/13 14:19	5
3,3'-Dichlorobenzidine	ND		54	6.1	ug/L		03/04/13 08:26	03/06/13 14:19	5
2,4-Dichlorophenol	ND		11	1.8	ug/L		03/04/13 08:26	03/06/13 14:19	5

Client Sample ID: SMW-3
Date Collected: 02/26/13 14:15
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		54	7.9	ug/L		03/04/13 08:26	03/06/13 14:19	5
2,4-Dimethylphenol	**4.8**	**J**	54	4.6	ug/L		03/04/13 08:26	03/06/13 14:19	5
Dimethyl phthalate	ND		54	4.2	ug/L		03/04/13 08:26	03/06/13 14:19	5
Di-n-butyl phthalate	ND		54	6.8	ug/L		03/04/13 08:26	03/06/13 14:19	5
4,6-Dinitro-2-methylphenol	ND		270	12	ug/L		03/04/13 08:26	03/06/13 14:19	5
2,4-Dinitrophenol	ND		270	33	ug/L		03/04/13 08:26	03/06/13 14:19	5
2,4-Dinitrotoluene	ND		54	2.9	ug/L		03/04/13 08:26	03/06/13 14:19	5
2,6-Dinitrotoluene	ND		54	4.3	ug/L		03/04/13 08:26	03/06/13 14:19	5
Di-n-octyl phthalate	ND		54	11	ug/L		03/04/13 08:26	03/06/13 14:19	5
Fluoranthene	**1.2**	**J**	11	0.88	ug/L		03/04/13 08:26	03/06/13 14:19	5
Fluorene	**18**		11	1.2	ug/L		03/04/13 08:26	03/06/13 14:19	5
Hexachlorobenzene	ND		11	0.99	ug/L		03/04/13 08:26	03/06/13 14:19	5
Hexachlorobutadiene	ND		11	0.90	ug/L		03/04/13 08:26	03/06/13 14:19	5
Hexachlorocyclopentadiene	ND		54	2.8	ug/L		03/04/13 08:26	03/06/13 14:19	5
Hexachloroethane	ND		54	3.4	ug/L		03/04/13 08:26	03/06/13 14:19	5
Indeno[1,2,3-cd]pyrene	ND		11	1.1	ug/L		03/04/13 08:26	03/06/13 14:19	5
Isophorone	ND		54	3.5	ug/L		03/04/13 08:26	03/06/13 14:19	5
2-Methylnaphthalene	**32**		11	0.66	ug/L		03/04/13 08:26	03/06/13 14:19	5
4-Methylphenol	ND		54	4.9	ug/L		03/04/13 08:26	03/06/13 14:19	5
2-Methylphenol	ND		54	4.7	ug/L		03/04/13 08:26	03/06/13 14:19	5
Naphthalene	**540**		11	0.76	ug/L		03/04/13 08:26	03/06/13 14:19	5
2-Nitroaniline	ND		270	19	ug/L		03/04/13 08:26	03/06/13 14:19	5
3-Nitroaniline	ND		270	17	ug/L		03/04/13 08:26	03/06/13 14:19	5
4-Nitroaniline	ND		270	9.4	ug/L		03/04/13 08:26	03/06/13 14:19	5
Nitrobenzene	ND		110	4.6	ug/L		03/04/13 08:26	03/06/13 14:19	5
2-Nitrophenol	ND		54	9.3	ug/L		03/04/13 08:26	03/06/13 14:19	5
4-Nitrophenol	ND		270	35	ug/L		03/04/13 08:26	03/06/13 14:19	5
N-Nitrosodi-n-propylamine	ND		11	1.7	ug/L		03/04/13 08:26	03/06/13 14:19	5
N-Nitrosodiphenylamine	ND		54	4.6	ug/L		03/04/13 08:26	03/06/13 14:19	5
2,2'-oxybis[1-chloropropane]	ND		11	1.1	ug/L		03/04/13 08:26	03/06/13 14:19	5
Pentachlorophenol	ND		54	3.6	ug/L		03/04/13 08:26	03/06/13 14:19	5
Phenanthrene	**13**		11	2.3	ug/L		03/04/13 08:26	03/06/13 14:19	5
Phenol	**8.2**	**J**	11	3.2	ug/L		03/04/13 08:26	03/06/13 14:19	5
Pyrene	ND		11	0.85	ug/L		03/04/13 08:26	03/06/13 14:19	5
2,4,5-Trichlorophenol	ND		54	8.3	ug/L		03/04/13 08:26	03/06/13 14:19	5
2,4,6-Trichlorophenol	ND		54	9.5	ug/L		03/04/13 08:26	03/06/13 14:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*35 - 108*	*03/04/13 08:26*	*03/06/13 14:19*	*5*
2-Fluorophenol	*55*		*26 - 100*	*03/04/13 08:26*	*03/06/13 14:19*	*5*
Nitrobenzene-d5	*55*		*37 - 104*	*03/04/13 08:26*	*03/06/13 14:19*	*5*
Phenol-d5	*59*		*30 - 102*	*03/04/13 08:26*	*03/06/13 14:19*	*5*
Terphenyl-d14	*62*		*25 - 130*	*03/04/13 08:26*	*03/06/13 14:19*	*5*
2,4,6-Tribromophenol	*65*		*33 - 122*	*03/04/13 08:26*	*03/06/13 14:19*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**48**	**J B**	200	9.7	ug/L		02/28/13 09:08	03/04/13 14:38	1
Antimony	ND		10	1.3	ug/L		02/28/13 09:08	03/04/13 14:38	1
Arsenic	**8.3**	**J**	10	2.7	ug/L		02/28/13 09:08	03/04/13 14:38	1

Client Sample ID: SMW-3

Lab Sample ID: 180-19174-3

Date Collected: 02/26/13 14:15

Matrix: Water

Date Received: 02/27/13 09:30

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**400**		200	0.62	ug/L		02/28/13 09:08	03/04/13 14:38	1
Beryllium	ND		4.0	0.23	ug/L		02/28/13 09:08	03/04/13 14:38	1
Cadmium	ND		5.0	0.13	ug/L		02/28/13 09:08	03/04/13 14:38	1
Calcium	**190000**	**B**	5000	9.7	ug/L		02/28/13 09:08	03/04/13 14:38	1
Chromium	ND		5.0	0.57	ug/L		02/28/13 09:08	03/04/13 14:38	1
Cobalt	ND		50	0.40	ug/L		02/28/13 09:08	03/04/13 14:38	1
Copper	ND		25	2.7	ug/L		02/28/13 09:08	03/04/13 14:38	1
Iron	**16000**	**B**	100	12	ug/L		02/28/13 09:08	03/04/13 14:38	1
Lead	ND		3.0	1.3	ug/L		02/28/13 09:08	03/04/13 14:38	1
Magnesium	**25000**		5000	21	ug/L		02/28/13 09:08	03/04/13 14:38	1
Manganese	**1100**		15	0.68	ug/L		02/28/13 09:08	03/04/13 14:38	1
Nickel	ND		40	1.6	ug/L		02/28/13 09:08	03/04/13 14:38	1
Potassium	**27000**		5000	750	ug/L		02/28/13 09:08	03/04/13 14:38	1
Selenium	ND		5.0	3.0	ug/L		02/28/13 09:08	03/04/13 14:38	1
Silver	ND		5.0	0.68	ug/L		02/28/13 09:08	03/04/13 14:38	1
Sodium	**1600000**		25000	1100	ug/L		02/28/13 09:08	03/05/13 09:30	5
Thallium	ND		10	2.4	ug/L		02/28/13 09:08	03/04/13 14:38	1
Vanadium	ND		50	1.9	ug/L		02/28/13 09:08	03/04/13 14:38	1
Zinc	**4.8**	**J B**	20	2.5	ug/L		02/28/13 09:08	03/04/13 14:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		03/04/13 12:47	03/04/13 17:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**19**		10	1.5	ug/L		03/01/13 09:20	03/01/13 12:10	1

Client Sample ID: SMW-4

Lab Sample ID: 180-19174-4

Date Collected: 02/26/13 12:45

Matrix: Water

Date Received: 02/27/13 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*	5.0	2.5	ug/L			03/05/13 10:07	1
Benzene	**190**	**E**	1.0	0.11	ug/L			03/05/13 10:07	1
Bromodichloromethane	ND		1.0	0.13	ug/L			03/05/13 10:07	1
Bromoform	ND		1.0	0.19	ug/L			03/05/13 10:07	1
Bromomethane	ND		1.0	0.31	ug/L			03/05/13 10:07	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			03/05/13 10:07	1
Carbon disulfide	ND		1.0	0.21	ug/L			03/05/13 10:07	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			03/05/13 10:07	1
Chlorobenzene	ND		1.0	0.14	ug/L			03/05/13 10:07	1
Chloroethane	ND		1.0	0.21	ug/L			03/05/13 10:07	1
Chloroform	ND		1.0	0.17	ug/L			03/05/13 10:07	1
Dibromochloromethane	ND		1.0	0.14	ug/L			03/05/13 10:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			03/05/13 10:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.18	ug/L			03/05/13 10:07	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			03/05/13 10:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/05/13 10:07	1

Client Sample ID: SMW-4
Date Collected: 02/26/13 12:45
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/05/13 10:07	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			03/05/13 10:07	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			03/05/13 10:07	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			03/05/13 10:07	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			03/05/13 10:07	1
Ethylbenzene	**51**	**E**	1.0	0.23	ug/L			03/05/13 10:07	1
2-Hexanone	ND		5.0	0.16	ug/L			03/05/13 10:07	1
Methylene Chloride	ND		1.0	0.15	ug/L			03/05/13 10:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			03/05/13 10:07	1
Styrene	ND		1.0	0.097	ug/L			03/05/13 10:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			03/05/13 10:07	1
Tetrachloroethene	ND		1.0	0.15	ug/L			03/05/13 10:07	1
Toluene	**0.58**	**J**	1.0	0.15	ug/L			03/05/13 10:07	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			03/05/13 10:07	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			03/05/13 10:07	1
Trichloroethene	ND		1.0	0.14	ug/L			03/05/13 10:07	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/05/13 10:07	1
Vinyl chloride	ND		1.0	0.23	ug/L			03/05/13 10:07	1
Xylenes, Total	**17**		3.0	0.49	ug/L			03/05/13 10:07	1
Cyclohexane	ND		1.0	0.25	ug/L			03/05/13 10:07	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			03/05/13 10:07	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			03/05/13 10:07	1
Isopropylbenzene	**4.0**		1.0	0.16	ug/L			03/05/13 10:07	1
Methyl acetate	ND		1.0	0.14	ug/L			03/05/13 10:07	1
Methylcyclohexane	ND		1.0	0.26	ug/L			03/05/13 10:07	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			03/05/13 10:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			03/05/13 10:07	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			03/05/13 10:07	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			03/05/13 10:07	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			03/05/13 10:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			03/05/13 10:07	1
Chloromethane	ND		1.0	0.28	ug/L			03/05/13 10:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*64 - 135*		*03/05/13 10:07*	*1*
Toluene-d8 (Surr)	*91*		*71 - 118*		*03/05/13 10:07*	*1*
4-Bromofluorobenzene (Surr)	*113*		*70 - 118*		*03/05/13 10:07*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 128*		*03/05/13 10:07*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*	250	130	ug/L			03/05/13 11:49	50
Benzene	**490**		50	5.3	ug/L			03/05/13 11:49	50
Bromodichloromethane	ND		50	6.5	ug/L			03/05/13 11:49	50
Bromoform	ND		50	9.6	ug/L			03/05/13 11:49	50
Bromomethane	ND		50	16	ug/L			03/05/13 11:49	50
2-Butanone (MEK)	ND		250	27	ug/L			03/05/13 11:49	50
Carbon disulfide	ND		50	11	ug/L			03/05/13 11:49	50
Carbon tetrachloride	ND		50	6.8	ug/L			03/05/13 11:49	50
Chlorobenzene	ND		50	6.8	ug/L			03/05/13 11:49	50

Client Sample ID: SMW-4
Date Collected: 02/26/13 12:45
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		50	11	ug/L			03/05/13 11:49	50
Chloroform	ND		50	8.5	ug/L			03/05/13 11:49	50
Dibromochloromethane	ND		50	6.8	ug/L			03/05/13 11:49	50
1,2-Dibromo-3-Chloropropane	ND		50	7.0	ug/L			03/05/13 11:49	50
1,2-Dibromoethane (EDB)	ND		50	9.0	ug/L			03/05/13 11:49	50
1,1-Dichloroethane	ND		50	5.8	ug/L			03/05/13 11:49	50
1,2-Dichloroethane	ND		50	11	ug/L			03/05/13 11:49	50
1,1-Dichloroethene	ND		50	15	ug/L			03/05/13 11:49	50
trans-1,2-Dichloroethene	ND		50	8.5	ug/L			03/05/13 11:49	50
1,2-Dichloropropane	ND		50	4.7	ug/L			03/05/13 11:49	50
cis-1,3-Dichloropropene	ND		50	9.3	ug/L			03/05/13 11:49	50
trans-1,3-Dichloropropene	ND		50	7.4	ug/L			03/05/13 11:49	50
Ethylbenzene	**41**	**J**	50	11	ug/L			03/05/13 11:49	50
2-Hexanone	ND		250	8.0	ug/L			03/05/13 11:49	50
Methylene Chloride	**10**	**J**	50	7.5	ug/L			03/05/13 11:49	50
4-Methyl-2-pentanone (MIBK)	ND		250	26	ug/L			03/05/13 11:49	50
Styrene	ND		50	4.8	ug/L			03/05/13 11:49	50
1,1,2,2-Tetrachloroethane	ND		50	10	ug/L			03/05/13 11:49	50
Tetrachloroethene	ND		50	7.4	ug/L			03/05/13 11:49	50
Toluene	ND		50	7.5	ug/L			03/05/13 11:49	50
1,1,1-Trichloroethane	ND		50	14	ug/L			03/05/13 11:49	50
1,1,2-Trichloroethane	ND		50	10	ug/L			03/05/13 11:49	50
Trichloroethene	ND		50	7.2	ug/L			03/05/13 11:49	50
Trichlorofluoromethane	ND		50	9.9	ug/L			03/05/13 11:49	50
Vinyl chloride	ND		50	11	ug/L			03/05/13 11:49	50
Xylenes, Total	ND		150	24	ug/L			03/05/13 11:49	50
Cyclohexane	ND		50	13	ug/L			03/05/13 11:49	50
cis-1,2-Dichloroethene	ND		50	12	ug/L			03/05/13 11:49	50
Dichlorodifluoromethane	ND		50	9.6	ug/L			03/05/13 11:49	50
Isopropylbenzene	ND		50	8.2	ug/L			03/05/13 11:49	50
Methyl acetate	ND		50	6.9	ug/L			03/05/13 11:49	50
Methylcyclohexane	ND		50	13	ug/L			03/05/13 11:49	50
Methyl tert-butyl ether	ND		50	9.2	ug/L			03/05/13 11:49	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			03/05/13 11:49	50
1,2-Dichlorobenzene	ND		50	7.6	ug/L			03/05/13 11:49	50
1,3-Dichlorobenzene	ND		50	5.3	ug/L			03/05/13 11:49	50
1,4-Dichlorobenzene	ND		50	10	ug/L			03/05/13 11:49	50
1,2,4-Trichlorobenzene	ND		50	14	ug/L			03/05/13 11:49	50
Chloromethane	ND		50	14	ug/L			03/05/13 11:49	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 135*		*03/05/13 11:49*	*50*
Toluene-d8 (Surr)	*100*		*71 - 118*		*03/05/13 11:49*	*50*
4-Bromofluorobenzene (Surr)	*101*		*70 - 118*		*03/05/13 11:49*	*50*
Dibromofluoromethane (Surr)	*108*		*70 - 128*		*03/05/13 11:49*	*50*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**13**		2.1	0.15	ug/L		03/04/13 08:26	03/06/13 14:47	1
Acenaphthylene	**2.1**		2.1	0.16	ug/L		03/04/13 08:26	03/06/13 14:47	1

Client Sample ID: SMW-4
Date Collected: 02/26/13 12:45
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-4
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		11	0.85	ug/L		03/04/13 08:26	03/06/13 14:47	1
Anthracene	**0.44**	**J**	2.1	0.16	ug/L		03/04/13 08:26	03/06/13 14:47	1
Atrazine	ND		11	0.95	ug/L		03/04/13 08:26	03/06/13 14:47	1
Benzaldehyde	ND	*	11	1.6	ug/L		03/04/13 08:26	03/06/13 14:47	1
Benzo[a]anthracene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/06/13 14:47	1
Benzo[a]pyrene	ND		2.1	0.14	ug/L		03/04/13 08:26	03/06/13 14:47	1
Benzo[b]fluoranthene	ND		2.1	0.17	ug/L		03/04/13 08:26	03/06/13 14:47	1
Benzo[g,h,i]perylene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/06/13 14:47	1
Benzo[k]fluoranthene	ND		2.1	0.58	ug/L		03/04/13 08:26	03/06/13 14:47	1
1,1'-Biphenyl	**2.1**	**J**	11	0.44	ug/L		03/04/13 08:26	03/06/13 14:47	1
Bis(2-chloroethoxy)methane	ND		11	0.62	ug/L		03/04/13 08:26	03/06/13 14:47	1
Bis(2-chloroethyl)ether	ND		2.1	0.27	ug/L		03/04/13 08:26	03/06/13 14:47	1
Bis(2-ethylhexyl) phthalate	ND		21	13	ug/L		03/04/13 08:26	03/06/13 14:47	1
4-Bromophenyl phenyl ether	ND		11	0.68	ug/L		03/04/13 08:26	03/06/13 14:47	1
Butyl benzyl phthalate	ND		11	1.5	ug/L		03/04/13 08:26	03/06/13 14:47	1
Caprolactam	ND		53	13	ug/L		03/04/13 08:26	03/06/13 14:47	1
Carbazole	**12**		2.1	0.17	ug/L		03/04/13 08:26	03/06/13 14:47	1
4-Chloroaniline	ND		11	0.94	ug/L		03/04/13 08:26	03/06/13 14:47	1
4-Chloro-3-methylphenol	ND		11	0.80	ug/L		03/04/13 08:26	03/06/13 14:47	1
2-Chloronaphthalene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/06/13 14:47	1
2-Chlorophenol	ND		11	1.8	ug/L		03/04/13 08:26	03/06/13 14:47	1
4-Chlorophenyl phenyl ether	ND		11	0.54	ug/L		03/04/13 08:26	03/06/13 14:47	1
Chrysene	ND		2.1	0.15	ug/L		03/04/13 08:26	03/06/13 14:47	1
Dibenz(a,h)anthracene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/06/13 14:47	1
Dibenzofuran	**5.1**	**J**	11	0.66	ug/L		03/04/13 08:26	03/06/13 14:47	1
3,3'-Dichlorobenzidine	ND		11	1.2	ug/L		03/04/13 08:26	03/06/13 14:47	1
2,4-Dichlorophenol	ND		2.1	0.36	ug/L		03/04/13 08:26	03/06/13 14:47	1
Diethyl phthalate	ND		11	1.6	ug/L		03/04/13 08:26	03/06/13 14:47	1
2,4-Dimethylphenol	ND		11	0.91	ug/L		03/04/13 08:26	03/06/13 14:47	1
Dimethyl phthalate	ND		11	0.81	ug/L		03/04/13 08:26	03/06/13 14:47	1
Di-n-butyl phthalate	ND		11	1.3	ug/L		03/04/13 08:26	03/06/13 14:47	1
4,6-Dinitro-2-methylphenol	ND		53	2.3	ug/L		03/04/13 08:26	03/06/13 14:47	1
2,4-Dinitrophenol	ND		53	6.5	ug/L		03/04/13 08:26	03/06/13 14:47	1
2,4-Dinitrotoluene	ND		11	0.57	ug/L		03/04/13 08:26	03/06/13 14:47	1
2,6-Dinitrotoluene	ND		11	0.85	ug/L		03/04/13 08:26	03/06/13 14:47	1
Di-n-octyl phthalate	ND		11	2.2	ug/L		03/04/13 08:26	03/06/13 14:47	1
Fluoranthene	**0.36**	**J**	2.1	0.17	ug/L		03/04/13 08:26	03/06/13 14:47	1
Fluorene	**5.1**		2.1	0.23	ug/L		03/04/13 08:26	03/06/13 14:47	1
Hexachlorobenzene	ND		2.1	0.19	ug/L		03/04/13 08:26	03/06/13 14:47	1
Hexachlorobutadiene	ND		2.1	0.18	ug/L		03/04/13 08:26	03/06/13 14:47	1
Hexachlorocyclopentadiene	ND		11	0.55	ug/L		03/04/13 08:26	03/06/13 14:47	1
Hexachloroethane	ND		11	0.67	ug/L		03/04/13 08:26	03/06/13 14:47	1
Indeno[1,2,3-cd]pyrene	ND		2.1	0.21	ug/L		03/04/13 08:26	03/06/13 14:47	1
Isophorone	ND		11	0.69	ug/L		03/04/13 08:26	03/06/13 14:47	1
2-Methylnaphthalene	**0.24**	**J**	2.1	0.13	ug/L		03/04/13 08:26	03/06/13 14:47	1
4-Methylphenol	ND		11	0.96	ug/L		03/04/13 08:26	03/06/13 14:47	1
2-Methylphenol	ND		11	0.92	ug/L		03/04/13 08:26	03/06/13 14:47	1
Naphthalene	**26**		2.1	0.15	ug/L		03/04/13 08:26	03/06/13 14:47	1
2-Nitroaniline	ND		53	3.7	ug/L		03/04/13 08:26	03/06/13 14:47	1

Client Sample ID: SMW-4
Date Collected: 02/26/13 12:45
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-4
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		53	3.4	ug/L		03/04/13 08:26	03/06/13 14:47	1
4-Nitroaniline	ND		53	1.8	ug/L		03/04/13 08:26	03/06/13 14:47	1
Nitrobenzene	ND		21	0.90	ug/L		03/04/13 08:26	03/06/13 14:47	1
2-Nitrophenol	ND		11	1.8	ug/L		03/04/13 08:26	03/06/13 14:47	1
4-Nitrophenol	ND		53	6.9	ug/L		03/04/13 08:26	03/06/13 14:47	1
N-Nitrosodi-n-propylamine	ND		2.1	0.33	ug/L		03/04/13 08:26	03/06/13 14:47	1
N-Nitrosodiphenylamine	ND		11	0.91	ug/L		03/04/13 08:26	03/06/13 14:47	1
2,2'-oxybis[1-chloropropane]	ND		2.1	0.21	ug/L		03/04/13 08:26	03/06/13 14:47	1
Pentachlorophenol	ND		11	0.71	ug/L		03/04/13 08:26	03/06/13 14:47	1
Phenanthrene	**3.2**		2.1	0.45	ug/L		03/04/13 08:26	03/06/13 14:47	1
Phenol	**13**		2.1	0.62	ug/L		03/04/13 08:26	03/06/13 14:47	1
Pyrene	ND		2.1	0.17	ug/L		03/04/13 08:26	03/06/13 14:47	1
2,4,5-Trichlorophenol	ND		11	1.6	ug/L		03/04/13 08:26	03/06/13 14:47	1
2,4,6-Trichlorophenol	ND		11	1.9	ug/L		03/04/13 08:26	03/06/13 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*35 - 108*	*03/04/13 08:26*	*03/06/13 14:47*	*1*
2-Fluorophenol	*58*		*26 - 100*	*03/04/13 08:26*	*03/06/13 14:47*	*1*
Nitrobenzene-d5	*56*		*37 - 104*	*03/04/13 08:26*	*03/06/13 14:47*	*1*
Phenol-d5	*59*		*30 - 102*	*03/04/13 08:26*	*03/06/13 14:47*	*1*
Terphenyl-d14	*65*		*25 - 130*	*03/04/13 08:26*	*03/06/13 14:47*	*1*
2,4,6-Tribromophenol	*68*		*33 - 122*	*03/04/13 08:26*	*03/06/13 14:47*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**33**	**J B**	200	9.7	ug/L		02/28/13 09:08	03/04/13 14:44	1
Antimony	ND		10	1.3	ug/L		02/28/13 09:08	03/04/13 14:44	1
Arsenic	**8.8**	**J**	10	2.7	ug/L		02/28/13 09:08	03/04/13 14:44	1
Barium	**540**		200	0.62	ug/L		02/28/13 09:08	03/04/13 14:44	1
Beryllium	ND		4.0	0.23	ug/L		02/28/13 09:08	03/04/13 14:44	1
Cadmium	ND		5.0	0.13	ug/L		02/28/13 09:08	03/04/13 14:44	1
Calcium	**190000**	**B**	5000	9.7	ug/L		02/28/13 09:08	03/04/13 14:44	1
Chromium	ND		5.0	0.57	ug/L		02/28/13 09:08	03/04/13 14:44	1
Cobalt	ND		50	0.40	ug/L		02/28/13 09:08	03/04/13 14:44	1
Copper	ND		25	2.7	ug/L		02/28/13 09:08	03/04/13 14:44	1
Iron	**14000**	**B**	100	12	ug/L		02/28/13 09:08	03/04/13 14:44	1
Lead	ND		3.0	1.3	ug/L		02/28/13 09:08	03/04/13 14:44	1
Magnesium	**25000**		5000	21	ug/L		02/28/13 09:08	03/04/13 14:44	1
Manganese	**600**		15	0.68	ug/L		02/28/13 09:08	03/04/13 14:44	1
Nickel	ND		40	1.6	ug/L		02/28/13 09:08	03/04/13 14:44	1
Potassium	**30000**		5000	750	ug/L		02/28/13 09:08	03/04/13 14:44	1
Selenium	ND		5.0	3.0	ug/L		02/28/13 09:08	03/04/13 14:44	1
Silver	ND		5.0	0.68	ug/L		02/28/13 09:08	03/04/13 14:44	1
Sodium	**1900000**		50000	2200	ug/L		02/28/13 09:08	03/05/13 09:36	10
Thallium	ND		10	2.4	ug/L		02/28/13 09:08	03/04/13 14:44	1
Vanadium	**2.0**	**J**	50	1.9	ug/L		02/28/13 09:08	03/04/13 14:44	1
Zinc	**4.6**	**J B**	20	2.5	ug/L		02/28/13 09:08	03/04/13 14:44	1

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Client Sample ID: SMW-4

Lab Sample ID: 180-19174-4

Date Collected: 02/26/13 12:45

Matrix: Water

Date Received: 02/27/13 09:30

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		03/04/13 12:47	03/04/13 17:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**15**		10	1.5	ug/L		03/01/13 09:20	03/01/13 12:10	1

Client Sample ID: DUP02262013

Lab Sample ID: 180-19174-5

Date Collected: 02/26/13 00:00

Matrix: Water

Date Received: 02/27/13 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		100	50	ug/L			03/09/13 10:16	20
Benzene	**300**		20	2.1	ug/L			03/09/13 10:16	20
Bromodichloromethane	ND		20	2.6	ug/L			03/09/13 10:16	20
Bromoform	ND		20	3.8	ug/L			03/09/13 10:16	20
Bromomethane	ND		20	6.3	ug/L			03/09/13 10:16	20
2-Butanone (MEK)	ND		100	11	ug/L			03/09/13 10:16	20
Carbon disulfide	ND		20	4.2	ug/L			03/09/13 10:16	20
Carbon tetrachloride	ND		20	2.7	ug/L			03/09/13 10:16	20
Chlorobenzene	ND		20	2.7	ug/L			03/09/13 10:16	20
Chloroethane	ND		20	4.3	ug/L			03/09/13 10:16	20
Chloroform	ND		20	3.4	ug/L			03/09/13 10:16	20
Dibromochloromethane	ND		20	2.7	ug/L			03/09/13 10:16	20
1,2-Dibromo-3-Chloropropane	ND		20	2.8	ug/L			03/09/13 10:16	20
1,2-Dibromoethane (EDB)	ND		20	3.6	ug/L			03/09/13 10:16	20
1,1-Dichloroethane	ND		20	2.3	ug/L			03/09/13 10:16	20
1,2-Dichloroethane	ND		20	4.2	ug/L			03/09/13 10:16	20
1,1-Dichloroethene	ND		20	5.9	ug/L			03/09/13 10:16	20
trans-1,2-Dichloroethene	ND		20	3.4	ug/L			03/09/13 10:16	20
1,2-Dichloropropane	ND		20	1.9	ug/L			03/09/13 10:16	20
cis-1,3-Dichloropropene	ND		20	3.7	ug/L			03/09/13 10:16	20
trans-1,3-Dichloropropene	ND		20	3.0	ug/L			03/09/13 10:16	20
Ethylbenzene	**43**		20	4.5	ug/L			03/09/13 10:16	20
2-Hexanone	ND		100	3.2	ug/L			03/09/13 10:16	20
Methylene Chloride	**12**	**J**	20	3.0	ug/L			03/09/13 10:16	20
4-Methyl-2-pentanone (MIBK)	ND		100	11	ug/L			03/09/13 10:16	20
Styrene	ND		20	1.9	ug/L			03/09/13 10:16	20
1,1,2,2-Tetrachloroethane	ND		20	4.0	ug/L			03/09/13 10:16	20
Tetrachloroethene	ND		20	3.0	ug/L			03/09/13 10:16	20
Toluene	**11**	**J**	20	3.0	ug/L			03/09/13 10:16	20
1,1,1-Trichloroethane	ND		20	5.7	ug/L			03/09/13 10:16	20
1,1,2-Trichloroethane	ND		20	4.0	ug/L			03/09/13 10:16	20
Trichloroethene	ND		20	2.9	ug/L			03/09/13 10:16	20
Trichlorofluoromethane	ND		20	4.0	ug/L			03/09/13 10:16	20
Vinyl chloride	ND		20	4.5	ug/L			03/09/13 10:16	20
Xylenes, Total	**64**		60	9.8	ug/L			03/09/13 10:16	20
Cyclohexane	ND		20	5.1	ug/L			03/09/13 10:16	20
cis-1,2-Dichloroethene	ND		20	4.7	ug/L			03/09/13 10:16	20
Dichlorodifluoromethane	ND		20	3.9	ug/L			03/09/13 10:16	20

Client Sample ID: DUP02262013
Date Collected: 02/26/13 00:00
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	**4.5**	**J**	20	3.3	ug/L			03/09/13 10:16	20
Methyl acetate	ND		20	2.8	ug/L			03/09/13 10:16	20
Methylcyclohexane	ND		20	5.2	ug/L			03/09/13 10:16	20
Methyl tert-butyl ether	ND		20	3.7	ug/L			03/09/13 10:16	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.4	ug/L			03/09/13 10:16	20
1,2-Dichlorobenzene	ND		20	3.0	ug/L			03/09/13 10:16	20
1,3-Dichlorobenzene	ND		20	2.1	ug/L			03/09/13 10:16	20
1,4-Dichlorobenzene	ND		20	4.1	ug/L			03/09/13 10:16	20
1,2,4-Trichlorobenzene	ND		20	5.4	ug/L			03/09/13 10:16	20
Chloromethane	ND		20	5.7	ug/L			03/09/13 10:16	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*64 - 135*		*03/09/13 10:16*	*20*
Toluene-d8 (Surr)	*99*		*71 - 118*		*03/09/13 10:16*	*20*
4-Bromofluorobenzene (Surr)	*99*		*70 - 118*		*03/09/13 10:16*	*20*
Dibromofluoromethane (Surr)	*108*		*70 - 128*		*03/09/13 10:16*	*20*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**22**		2.1	0.15	ug/L		03/04/13 08:26	03/05/13 19:19	1
Acenaphthylene	**3.7**		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 19:19	1
Acetophenone	ND		10	0.83	ug/L		03/04/13 08:26	03/05/13 19:19	1
Anthracene	**1.1**	**J**	2.1	0.16	ug/L		03/04/13 08:26	03/05/13 19:19	1
Atrazine	ND		10	0.93	ug/L		03/04/13 08:26	03/05/13 19:19	1
Benzaldehyde	ND		10	1.6	ug/L		03/04/13 08:26	03/05/13 19:19	1
Benzo[a]anthracene	ND		2.1	0.15	ug/L		03/04/13 08:26	03/05/13 19:19	1
Benzo[a]pyrene	ND		2.1	0.14	ug/L		03/04/13 08:26	03/05/13 19:19	1
Benzo[b]fluoranthene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 19:19	1
Benzo[g,h,i]perylene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 19:19	1
Benzo[k]fluoranthene	ND		2.1	0.57	ug/L		03/04/13 08:26	03/05/13 19:19	1
1,1'-Biphenyl	**4.6**	**J**	10	0.43	ug/L		03/04/13 08:26	03/05/13 19:19	1
Bis(2-chloroethoxy)methane	ND		10	0.61	ug/L		03/04/13 08:26	03/05/13 19:19	1
Bis(2-chloroethyl)ether	ND		2.1	0.26	ug/L		03/04/13 08:26	03/05/13 19:19	1
Bis(2-ethylhexyl) phthalate	ND		21	13	ug/L		03/04/13 08:26	03/05/13 19:19	1
4-Bromophenyl phenyl ether	ND		10	0.66	ug/L		03/04/13 08:26	03/05/13 19:19	1
Butyl benzyl phthalate	ND		10	1.5	ug/L		03/04/13 08:26	03/05/13 19:19	1
Caprolactam	ND		52	12	ug/L		03/04/13 08:26	03/05/13 19:19	1
Carbazole	**15**		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 19:19	1
4-Chloroaniline	ND		10	0.92	ug/L		03/04/13 08:26	03/05/13 19:19	1
4-Chloro-3-methylphenol	ND		10	0.79	ug/L		03/04/13 08:26	03/05/13 19:19	1
2-Chloronaphthalene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 19:19	1
2-Chlorophenol	ND		10	1.7	ug/L		03/04/13 08:26	03/05/13 19:19	1
4-Chlorophenyl phenyl ether	ND		10	0.52	ug/L		03/04/13 08:26	03/05/13 19:19	1
Chrysene	ND		2.1	0.15	ug/L		03/04/13 08:26	03/05/13 19:19	1
Dibenz(a,h)anthracene	ND		2.1	0.16	ug/L		03/04/13 08:26	03/05/13 19:19	1
Dibenzofuran	**11**		10	0.64	ug/L		03/04/13 08:26	03/05/13 19:19	1
3,3'-Dichlorobenzidine	ND		10	1.2	ug/L		03/04/13 08:26	03/05/13 19:19	1
2,4-Dichlorophenol	ND		2.1	0.35	ug/L		03/04/13 08:26	03/05/13 19:19	1
Diethyl phthalate	ND		10	1.5	ug/L		03/04/13 08:26	03/05/13 19:19	1
2,4-Dimethylphenol	**3.2**	**J**	10	0.89	ug/L		03/04/13 08:26	03/05/13 19:19	1

Client Sample ID: DUP02262013
Date Collected: 02/26/13 00:00
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-5
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		10	0.80	ug/L		03/04/13 08:26	03/05/13 19:19	1
Di-n-butyl phthalate	ND		10	1.3	ug/L		03/04/13 08:26	03/05/13 19:19	1
4,6-Dinitro-2-methylphenol	ND		52	2.3	ug/L		03/04/13 08:26	03/05/13 19:19	1
2,4-Dinitrophenol	ND		52	6.4	ug/L		03/04/13 08:26	03/05/13 19:19	1
2,4-Dinitrotoluene	ND		10	0.56	ug/L		03/04/13 08:26	03/05/13 19:19	1
2,6-Dinitrotoluene	ND		10	0.83	ug/L		03/04/13 08:26	03/05/13 19:19	1
Di-n-octyl phthalate	ND		10	2.2	ug/L		03/04/13 08:26	03/05/13 19:19	1
Fluoranthene	**0.74**	**J**	2.1	0.17	ug/L		03/04/13 08:26	03/05/13 19:19	1
Fluorene	**10**		2.1	0.23	ug/L		03/04/13 08:26	03/05/13 19:19	1
Hexachlorobenzene	ND		2.1	0.19	ug/L		03/04/13 08:26	03/05/13 19:19	1
Hexachlorobutadiene	ND		2.1	0.17	ug/L		03/04/13 08:26	03/05/13 19:19	1
Hexachlorocyclopentadiene	ND		10	0.54	ug/L		03/04/13 08:26	03/05/13 19:19	1
Hexachloroethane	ND		10	0.65	ug/L		03/04/13 08:26	03/05/13 19:19	1
Indeno[1,2,3-cd]pyrene	ND		2.1	0.21	ug/L		03/04/13 08:26	03/05/13 19:19	1
Isophorone	ND		10	0.67	ug/L		03/04/13 08:26	03/05/13 19:19	1
2-Methylnaphthalene	**19**		2.1	0.13	ug/L		03/04/13 08:26	03/05/13 19:19	1
4-Methylphenol	ND		10	0.94	ug/L		03/04/13 08:26	03/05/13 19:19	1
2-Methylphenol	ND		10	0.90	ug/L		03/04/13 08:26	03/05/13 19:19	1
Naphthalene	**370**		2.1	0.15	ug/L		03/04/13 08:26	03/05/13 19:19	1
2-Nitroaniline	ND		52	3.7	ug/L		03/04/13 08:26	03/05/13 19:19	1
3-Nitroaniline	ND		52	3.3	ug/L		03/04/13 08:26	03/05/13 19:19	1
4-Nitroaniline	ND		52	1.8	ug/L		03/04/13 08:26	03/05/13 19:19	1
Nitrobenzene	ND		21	0.88	ug/L		03/04/13 08:26	03/05/13 19:19	1
2-Nitrophenol	ND		10	1.8	ug/L		03/04/13 08:26	03/05/13 19:19	1
4-Nitrophenol	ND		52	6.7	ug/L		03/04/13 08:26	03/05/13 19:19	1
N-Nitrosodi-n-propylamine	ND		2.1	0.32	ug/L		03/04/13 08:26	03/05/13 19:19	1
N-Nitrosodiphenylamine	ND		10	0.89	ug/L		03/04/13 08:26	03/05/13 19:19	1
2,2'-oxybis[1-chloropropane]	ND		2.1	0.21	ug/L		03/04/13 08:26	03/05/13 19:19	1
Pentachlorophenol	ND		10	0.69	ug/L		03/04/13 08:26	03/05/13 19:19	1
Phenanthrene	**8.0**		2.1	0.44	ug/L		03/04/13 08:26	03/05/13 19:19	1
Phenol	**6.1**		2.1	0.61	ug/L		03/04/13 08:26	03/05/13 19:19	1
Pyrene	**0.44**	**J**	2.1	0.16	ug/L		03/04/13 08:26	03/05/13 19:19	1
2,4,5-Trichlorophenol	ND		10	1.6	ug/L		03/04/13 08:26	03/05/13 19:19	1
2,4,6-Trichlorophenol	ND		10	1.8	ug/L		03/04/13 08:26	03/05/13 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*46*		*35 - 108*	*03/04/13 08:26*	*03/05/13 19:19*	*1*
2-Fluorophenol	*51*		*26 - 100*	*03/04/13 08:26*	*03/05/13 19:19*	*1*
Nitrobenzene-d5	*46*		*37 - 104*	*03/04/13 08:26*	*03/05/13 19:19*	*1*
Phenol-d5	*52*		*30 - 102*	*03/04/13 08:26*	*03/05/13 19:19*	*1*
Terphenyl-d14	*46*		*25 - 130*	*03/04/13 08:26*	*03/05/13 19:19*	*1*
2,4,6-Tribromophenol	*53*		*33 - 122*	*03/04/13 08:26*	*03/05/13 19:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**45**	**J B**	200	9.7	ug/L		02/28/13 09:08	03/04/13 15:19	1
Antimony	ND		10	1.3	ug/L		02/28/13 09:08	03/04/13 15:19	1
Arsenic	**8.2**	**J**	10	2.7	ug/L		02/28/13 09:08	03/04/13 15:19	1
Barium	**410**		200	0.62	ug/L		02/28/13 09:08	03/04/13 15:19	1
Beryllium	ND		4.0	0.23	ug/L		02/28/13 09:08	03/04/13 15:19	1

Client Sample ID: DUP02262013

Lab Sample ID: 180-19174-5

Date Collected: 02/26/13 00:00

Matrix: Water

Date Received: 02/27/13 09:30

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.0	0.13	ug/L		02/28/13 09:08	03/04/13 15:19	1
Calcium	**190000**	**B**	5000	9.7	ug/L		02/28/13 09:08	03/04/13 15:19	1
Chromium	ND		5.0	0.57	ug/L		02/28/13 09:08	03/04/13 15:19	1
Cobalt	ND		50	0.40	ug/L		02/28/13 09:08	03/04/13 15:19	1
Copper	ND		25	2.7	ug/L		02/28/13 09:08	03/04/13 15:19	1
Iron	**16000**	**B**	100	12	ug/L		02/28/13 09:08	03/04/13 15:19	1
Lead	ND		3.0	1.3	ug/L		02/28/13 09:08	03/04/13 15:19	1
Magnesium	**25000**		5000	21	ug/L		02/28/13 09:08	03/04/13 15:19	1
Manganese	**1000**		15	0.68	ug/L		02/28/13 09:08	03/04/13 15:19	1
Nickel	ND		40	1.6	ug/L		02/28/13 09:08	03/04/13 15:19	1
Potassium	**28000**		5000	750	ug/L		02/28/13 09:08	03/04/13 15:19	1
Selenium	ND		5.0	3.0	ug/L		02/28/13 09:08	03/04/13 15:19	1
Silver	ND		5.0	0.68	ug/L		02/28/13 09:08	03/04/13 15:19	1
Sodium	**1700000**		25000	1100	ug/L		02/28/13 09:08	03/05/13 10:11	5
Thallium	ND		10	2.4	ug/L		02/28/13 09:08	03/04/13 15:19	1
Vanadium	ND		50	1.9	ug/L		02/28/13 09:08	03/04/13 15:19	1
Zinc	**4.9**	**J B**	20	2.5	ug/L		02/28/13 09:08	03/04/13 15:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		03/04/13 12:47	03/04/13 17:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**19**		10	1.5	ug/L		03/01/13 09:20	03/01/13 12:10	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-19174-6

Date Collected: 02/26/13 00:00

Matrix: Water

Date Received: 02/27/13 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.5**	**J ***	5.0	2.5	ug/L			03/05/13 12:13	1
Benzene	ND		1.0	0.11	ug/L			03/05/13 12:13	1
Bromodichloromethane	ND		1.0	0.13	ug/L			03/05/13 12:13	1
Bromoform	ND		1.0	0.19	ug/L			03/05/13 12:13	1
Bromomethane	ND		1.0	0.31	ug/L			03/05/13 12:13	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			03/05/13 12:13	1
Carbon disulfide	ND		1.0	0.21	ug/L			03/05/13 12:13	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			03/05/13 12:13	1
Chlorobenzene	ND		1.0	0.14	ug/L			03/05/13 12:13	1
Chloroethane	ND		1.0	0.21	ug/L			03/05/13 12:13	1
Chloroform	ND		1.0	0.17	ug/L			03/05/13 12:13	1
Dibromochloromethane	ND		1.0	0.14	ug/L			03/05/13 12:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			03/05/13 12:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.18	ug/L			03/05/13 12:13	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			03/05/13 12:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/05/13 12:13	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/05/13 12:13	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			03/05/13 12:13	1

Client: GEI Consultants, Inc.
Project/Site: 102780, Schenectady

TestAmerica Job ID: 180-19174-1

Client Sample ID: TRIP BLANK
Date Collected: 02/26/13 00:00
Date Received: 02/27/13 09:30

Lab Sample ID: 180-19174-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.095	ug/L			03/05/13 12:13	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			03/05/13 12:13	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			03/05/13 12:13	1
Ethylbenzene	ND		1.0	0.23	ug/L			03/05/13 12:13	1
2-Hexanone	ND		5.0	0.16	ug/L			03/05/13 12:13	1
Methylene Chloride	**6.4**		1.0	0.15	ug/L			03/05/13 12:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			03/05/13 12:13	1
Styrene	ND		1.0	0.097	ug/L			03/05/13 12:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			03/05/13 12:13	1
Tetrachloroethene	ND		1.0	0.15	ug/L			03/05/13 12:13	1
Toluene	ND		1.0	0.15	ug/L			03/05/13 12:13	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			03/05/13 12:13	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			03/05/13 12:13	1
Trichloroethene	ND		1.0	0.14	ug/L			03/05/13 12:13	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/05/13 12:13	1
Vinyl chloride	ND		1.0	0.23	ug/L			03/05/13 12:13	1
Xylenes, Total	ND		3.0	0.49	ug/L			03/05/13 12:13	1
Cyclohexane	ND		1.0	0.25	ug/L			03/05/13 12:13	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			03/05/13 12:13	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			03/05/13 12:13	1
Isopropylbenzene	ND		1.0	0.16	ug/L			03/05/13 12:13	1
Methyl acetate	ND		1.0	0.14	ug/L			03/05/13 12:13	1
Methylcyclohexane	ND		1.0	0.26	ug/L			03/05/13 12:13	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			03/05/13 12:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			03/05/13 12:13	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			03/05/13 12:13	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			03/05/13 12:13	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			03/05/13 12:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			03/05/13 12:13	1
Chloromethane	ND		1.0	0.28	ug/L			03/05/13 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 135*		*03/05/13 12:13*	*1*
Toluene-d8 (Surr)	*101*		*71 - 118*		*03/05/13 12:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 118*		*03/05/13 12:13*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 128*		*03/05/13 12:13*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-65402/3
Matrix: Water
Analysis Batch: 65402

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			03/05/13 09:31	1
Benzene	ND		1.0	0.11	ug/L			03/05/13 09:31	1
Bromodichloromethane	ND		1.0	0.13	ug/L			03/05/13 09:31	1
Bromoform	ND		1.0	0.19	ug/L			03/05/13 09:31	1
Bromomethane	ND		1.0	0.31	ug/L			03/05/13 09:31	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			03/05/13 09:31	1
Carbon disulfide	ND		1.0	0.21	ug/L			03/05/13 09:31	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			03/05/13 09:31	1
Chlorobenzene	ND		1.0	0.14	ug/L			03/05/13 09:31	1
Chloroethane	ND		1.0	0.21	ug/L			03/05/13 09:31	1
Chloroform	ND		1.0	0.17	ug/L			03/05/13 09:31	1
Dibromochloromethane	ND		1.0	0.14	ug/L			03/05/13 09:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			03/05/13 09:31	1
1,2-Dibromoethane (EDB)	ND		1.0	0.18	ug/L			03/05/13 09:31	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			03/05/13 09:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/05/13 09:31	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/05/13 09:31	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			03/05/13 09:31	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			03/05/13 09:31	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			03/05/13 09:31	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			03/05/13 09:31	1
Ethylbenzene	ND		1.0	0.23	ug/L			03/05/13 09:31	1
2-Hexanone	ND		5.0	0.16	ug/L			03/05/13 09:31	1
Methylene Chloride	ND		1.0	0.15	ug/L			03/05/13 09:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			03/05/13 09:31	1
Styrene	ND		1.0	0.097	ug/L			03/05/13 09:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			03/05/13 09:31	1
Tetrachloroethene	ND		1.0	0.15	ug/L			03/05/13 09:31	1
Toluene	ND		1.0	0.15	ug/L			03/05/13 09:31	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			03/05/13 09:31	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			03/05/13 09:31	1
Trichloroethene	ND		1.0	0.14	ug/L			03/05/13 09:31	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/05/13 09:31	1
Vinyl chloride	ND		1.0	0.23	ug/L			03/05/13 09:31	1
Xylenes, Total	ND		3.0	0.49	ug/L			03/05/13 09:31	1
Cyclohexane	ND		1.0	0.25	ug/L			03/05/13 09:31	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			03/05/13 09:31	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			03/05/13 09:31	1
Isopropylbenzene	ND		1.0	0.16	ug/L			03/05/13 09:31	1
Methyl acetate	ND		1.0	0.14	ug/L			03/05/13 09:31	1
Methylcyclohexane	ND		1.0	0.26	ug/L			03/05/13 09:31	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			03/05/13 09:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			03/05/13 09:31	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			03/05/13 09:31	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			03/05/13 09:31	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			03/05/13 09:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			03/05/13 09:31	1
Chloromethane	ND		1.0	0.28	ug/L			03/05/13 09:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-65402/3
Matrix: Water
Analysis Batch: 65402

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 135		03/05/13 09:31	1
Toluene-d8 (Surr)	101		71 - 118		03/05/13 09:31	1
4-Bromofluorobenzene (Surr)	90		70 - 118		03/05/13 09:31	1
Dibromofluoromethane (Surr)	105		70 - 128		03/05/13 09:31	1

Lab Sample ID: LCS 180-65402/8
Matrix: Water
Analysis Batch: 65402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	17.8	*	ug/L		178	22 - 150
Benzene	10.0	9.68		ug/L		97	80 - 120
Bromodichloromethane	10.0	9.91		ug/L		99	66 - 130
Bromoform	10.0	9.98		ug/L		100	46 - 150
Bromomethane	10.0	14.7		ug/L		147	33 - 150
2-Butanone (MEK)	10.0	12.6		ug/L		126	39 - 138
Carbon disulfide	10.0	9.06		ug/L		91	54 - 132
Carbon tetrachloride	10.0	10.2		ug/L		102	55 - 150
Chlorobenzene	10.0	10.0		ug/L		100	80 - 120
Chloroethane	10.0	13.2		ug/L		132	36 - 142
Chloroform	10.0	9.84		ug/L		98	72 - 127
Dibromochloromethane	10.0	9.34		ug/L		93	60 - 140
1,2-Dibromo-3-Chloropropane	10.0	7.67		ug/L		77	37 - 133
1,2-Dibromoethane (EDB)	10.0	9.62		ug/L		96	74 - 123
1,1-Dichloroethane	10.0	9.93		ug/L		99	73 - 126
1,2-Dichloroethane	10.0	10.6		ug/L		106	68 - 132
1,1-Dichloroethene	10.0	10.8		ug/L		108	65 - 136
trans-1,2-Dichloroethene	10.0	9.44		ug/L		94	73 - 126
1,2-Dichloropropane	10.0	9.11		ug/L		91	76 - 124
cis-1,3-Dichloropropene	10.0	9.91		ug/L		99	66 - 120
trans-1,3-Dichloropropene	10.0	9.71		ug/L		97	65 - 125
Ethylbenzene	10.0	9.86		ug/L		99	72 - 126
2-Hexanone	10.0	12.4		ug/L		124	25 - 132
Methylene Chloride	10.0	9.02		ug/L		90	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	9.02		ug/L		90	45 - 145
Styrene	10.0	9.39		ug/L		94	71 - 127
1,1,2,2-Tetrachloroethane	10.0	11.0		ug/L		110	62 - 125
Tetrachloroethene	10.0	9.41		ug/L		94	70 - 135
Toluene	10.0	9.14		ug/L		91	80 - 123
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	63 - 133
1,1,2-Trichloroethane	10.0	9.77		ug/L		98	77 - 127
Trichloroethene	10.0	9.38		ug/L		94	73 - 120
Trichlorofluoromethane	10.0	11.5		ug/L		115	44 - 150
Vinyl chloride	10.0	12.2		ug/L		122	53 - 138
Xylenes, Total	30.0	29.6		ug/L		99	76 - 128
Cyclohexane	10.0	9.38		ug/L		94	45 - 142
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	70 - 120
Dichlorodifluoromethane	10.0	11.3		ug/L		113	13 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-65402/8
Matrix: Water
Analysis Batch: 65402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	10.0	10.3		ug/L		103	58 - 130
Methyl acetate	10.0	9.84		ug/L		98	47 - 142
Methylcyclohexane	10.0	9.66		ug/L		97	45 - 145
Methyl tert-butyl ether	10.0	10.1		ug/L		101	64 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.6		ug/L		106	46 - 148
1,2-Dichlorobenzene	10.0	9.72		ug/L		97	77 - 120
1,3-Dichlorobenzene	10.0	9.44		ug/L		94	76 - 120
1,4-Dichlorobenzene	10.0	9.55		ug/L		95	77 - 120
1,2,4-Trichlorobenzene	10.0	8.20		ug/L		82	60 - 127
Chloromethane	10.0	11.2		ug/L		112	50 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*64 - 135*
Toluene-d8 (Surr)	*84*		*71 - 118*
4-Bromofluorobenzene (Surr)	*102*		*70 - 118*
Dibromofluoromethane (Surr)	*95*		*70 - 128*

Lab Sample ID: 180-19174-4 MS
Matrix: Water
Analysis Batch: 65402

Client Sample ID: SMW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND	*	500	438		ug/L		88	22 - 150
Benzene	490		500	1190	F	ug/L		141	80 - 120
Bromodichloromethane	ND		500	524		ug/L		105	66 - 130
Bromoform	ND		500	553		ug/L		111	46 - 150
Bromomethane	ND		500	677		ug/L		135	33 - 150
2-Butanone (MEK)	ND		500	467		ug/L		93	39 - 138
Carbon disulfide	ND		500	407		ug/L		81	54 - 132
Carbon tetrachloride	ND		500	501		ug/L		100	55 - 150
Chlorobenzene	ND		500	526		ug/L		105	80 - 120
Chloroethane	ND		500	662		ug/L		132	36 - 142
Chloroform	ND		500	466		ug/L		93	72 - 127
Dibromochloromethane	ND		500	543		ug/L		109	60 - 140
1,2-Dibromo-3-Chloropropane	ND		500	549		ug/L		110	37 - 133
1,2-Dibromoethane (EDB)	ND		500	534		ug/L		107	74 - 123
1,1-Dichloroethane	ND		500	460		ug/L		92	73 - 126
1,2-Dichloroethane	ND		500	529		ug/L		106	68 - 132
1,1-Dichloroethene	ND		500	457		ug/L		91	65 - 136
trans-1,2-Dichloroethene	ND		500	456		ug/L		91	73 - 126
1,2-Dichloropropane	ND		500	539		ug/L		108	76 - 124
cis-1,3-Dichloropropene	ND		500	551		ug/L		110	66 - 120
trans-1,3-Dichloropropene	ND		500	653	F	ug/L		131	65 - 125
Ethylbenzene	41	J	500	554		ug/L		103	72 - 126
2-Hexanone	ND		500	482		ug/L		96	25 - 132
Methylene Chloride	10	J	500	430		ug/L		84	63 - 129
4-Methyl-2-pentanone (MIBK)	ND		500	535		ug/L		107	45 - 145

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-19174-4 MS
Matrix: Water
Analysis Batch: 65402

Client Sample ID: SMW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	ND		500	528		ug/L		106	71 - 127
1,1,2,2-Tetrachloroethane	ND		500	584		ug/L		117	62 - 125
Tetrachloroethene	ND		500	560		ug/L		112	70 - 135
Toluene	ND		500	560		ug/L		112	80 - 123
1,1,1-Trichloroethane	ND		500	516		ug/L		103	63 - 133
1,1,2-Trichloroethane	ND		500	543		ug/L		109	77 - 127
Trichloroethene	ND		500	554		ug/L		111	73 - 120
Trichlorofluoromethane	ND		500	552		ug/L		110	44 - 150
Vinyl chloride	ND		500	539		ug/L		108	53 - 138
Xylenes, Total	ND		1500	1560		ug/L		104	76 - 128
Cyclohexane	ND		500	495		ug/L		99	45 - 142
cis-1,2-Dichloroethene	ND		500	454		ug/L		91	70 - 120
Dichlorodifluoromethane	ND		500	510		ug/L		102	13 - 150
Isopropylbenzene	ND		500	535		ug/L		107	58 - 130
Methyl acetate	ND		500	452		ug/L		90	47 - 142
Methylcyclohexane	ND		500	561		ug/L		112	45 - 145
Methyl tert-butyl ether	ND		500	463		ug/L		93	64 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	459		ug/L		92	46 - 148
1,2-Dichlorobenzene	ND		500	588		ug/L		118	77 - 120
1,3-Dichlorobenzene	ND		500	503		ug/L		101	76 - 120
1,4-Dichlorobenzene	ND		500	538		ug/L		108	77 - 120
1,2,4-Trichlorobenzene	ND		500	515		ug/L		103	60 - 127
Chloromethane	ND		500	425		ug/L		85	50 - 139

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 135*
Toluene-d8 (Surr)	*100*		*71 - 118*
4-Bromofluorobenzene (Surr)	*103*		*70 - 118*
Dibromofluoromethane (Surr)	*84*		*70 - 128*

Lab Sample ID: 180-19174-4 MSD
Matrix: Water
Analysis Batch: 65402

Client Sample ID: SMW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND	*	500	291	F	ug/L		58	22 - 150	40	35
Benzene	490		500	948		ug/L		92	80 - 120	23	32
Bromodichloromethane	ND		500	501		ug/L		100	66 - 130	4	35
Bromoform	ND		500	473		ug/L		95	46 - 150	16	35
Bromomethane	ND		500	530		ug/L		106	33 - 150	24	35
2-Butanone (MEK)	ND		500	361		ug/L		72	39 - 138	26	35
Carbon disulfide	ND		500	348		ug/L		70	54 - 132	16	35
Carbon tetrachloride	ND		500	455		ug/L		91	55 - 150	10	35
Chlorobenzene	ND		500	508		ug/L		102	80 - 120	4	29
Chloroethane	ND		500	546		ug/L		109	36 - 142	19	35
Chloroform	ND		500	380		ug/L		76	72 - 127	20	35
Dibromochloromethane	ND		500	520		ug/L		104	60 - 140	4	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-19174-4 MSD
Matrix: Water
Analysis Batch: 65402

Client Sample ID: SMW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		500	574		ug/L		115	37 - 133	4	35
1,2-Dibromoethane (EDB)	ND		500	573		ug/L		115	74 - 123	7	35
1,1-Dichloroethane	ND		500	389		ug/L		78	73 - 126	17	35
1,2-Dichloroethane	ND		500	462		ug/L		92	68 - 132	14	32
1,1-Dichloroethene	ND		500	395		ug/L		79	65 - 136	15	35
trans-1,2-Dichloroethene	ND		500	384		ug/L		77	73 - 126	17	35
1,2-Dichloropropane	ND		500	483		ug/L		97	76 - 124	11	34
cis-1,3-Dichloropropene	ND		500	424		ug/L		85	66 - 120	26	35
trans-1,3-Dichloropropene	ND		500	555		ug/L		111	65 - 125	16	35
Ethylbenzene	41	J	500	550		ug/L		102	72 - 126	1	33
2-Hexanone	ND		500	503		ug/L		101	25 - 132	4	35
Methylene Chloride	10	J	500	347		ug/L		67	63 - 129	21	35
4-Methyl-2-pentanone (MIBK)	ND		500	506		ug/L		101	45 - 145	6	35
Styrene	ND		500	512		ug/L		102	71 - 127	3	34
1,1,2,2-Tetrachloroethane	ND		500	494		ug/L		99	62 - 125	17	35
Tetrachloroethene	ND		500	540		ug/L		108	70 - 135	4	35
Toluene	ND		500	547		ug/L		109	80 - 123	2	35
1,1,1-Trichloroethane	ND		500	429		ug/L		86	63 - 133	19	35
1,1,2-Trichloroethane	ND		500	540		ug/L		108	77 - 127	1	35
Trichloroethene	ND		500	451		ug/L		90	73 - 120	20	35
Trichlorofluoromethane	ND		500	470		ug/L		94	44 - 150	16	35
Vinyl chloride	ND		500	457		ug/L		91	53 - 138	17	35
Xylenes, Total	ND		1500	1580		ug/L		106	76 - 128	1	32
Cyclohexane	ND		500	399		ug/L		80	45 - 142	21	35
cis-1,2-Dichloroethene	ND		500	393		ug/L		79	70 - 120	14	35
Dichlorodifluoromethane	ND		500	438		ug/L		88	13 - 150	15	35
Isopropylbenzene	ND		500	487		ug/L		97	58 - 130	9	35
Methyl acetate	ND		500	354		ug/L		71	47 - 142	24	35
Methylcyclohexane	ND		500	504		ug/L		101	45 - 145	11	35
Methyl tert-butyl ether	ND		500	381		ug/L		76	64 - 123	20	35
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	398		ug/L		80	46 - 148	14	35
1,2-Dichlorobenzene	ND		500	559		ug/L		112	77 - 120	5	24
1,3-Dichlorobenzene	ND		500	474		ug/L		95	76 - 120	6	24
1,4-Dichlorobenzene	ND		500	487		ug/L		97	77 - 120	10	24
1,2,4-Trichlorobenzene	ND		500	507		ug/L		101	60 - 127	2	35
Chloromethane	ND		500	419		ug/L		84	50 - 139	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*64 - 135*
Toluene-d8 (Surr)	*105*		*71 - 118*
4-Bromofluorobenzene (Surr)	*102*		*70 - 118*
Dibromofluoromethane (Surr)	*75*		*70 - 128*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-65789/4
Matrix: Water
Analysis Batch: 65789

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5.0	2.5	ug/L			03/09/13 05:49	1
Benzene	ND		1.0	0.11	ug/L			03/09/13 05:49	1
Bromodichloromethane	ND		1.0	0.13	ug/L			03/09/13 05:49	1
Bromoform	ND		1.0	0.19	ug/L			03/09/13 05:49	1
Bromomethane	ND		1.0	0.31	ug/L			03/09/13 05:49	1
2-Butanone (MEK)	ND		5.0	0.55	ug/L			03/09/13 05:49	1
Carbon disulfide	ND		1.0	0.21	ug/L			03/09/13 05:49	1
Carbon tetrachloride	ND		1.0	0.14	ug/L			03/09/13 05:49	1
Chlorobenzene	ND		1.0	0.14	ug/L			03/09/13 05:49	1
Chloroethane	ND		1.0	0.21	ug/L			03/09/13 05:49	1
Chloroform	ND		1.0	0.17	ug/L			03/09/13 05:49	1
Dibromochloromethane	ND		1.0	0.14	ug/L			03/09/13 05:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.14	ug/L			03/09/13 05:49	1
1,2-Dibromoethane (EDB)	ND		1.0	0.18	ug/L			03/09/13 05:49	1
1,1-Dichloroethane	ND		1.0	0.12	ug/L			03/09/13 05:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/09/13 05:49	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/09/13 05:49	1
trans-1,2-Dichloroethene	ND		1.0	0.17	ug/L			03/09/13 05:49	1
1,2-Dichloropropane	ND		1.0	0.095	ug/L			03/09/13 05:49	1
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			03/09/13 05:49	1
trans-1,3-Dichloropropene	ND		1.0	0.15	ug/L			03/09/13 05:49	1
Ethylbenzene	ND		1.0	0.23	ug/L			03/09/13 05:49	1
2-Hexanone	ND		5.0	0.16	ug/L			03/09/13 05:49	1
Methylene Chloride	ND		1.0	0.15	ug/L			03/09/13 05:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53	ug/L			03/09/13 05:49	1
Styrene	ND		1.0	0.097	ug/L			03/09/13 05:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			03/09/13 05:49	1
Tetrachloroethene	ND		1.0	0.15	ug/L			03/09/13 05:49	1
Toluene	ND		1.0	0.15	ug/L			03/09/13 05:49	1
1,1,1-Trichloroethane	ND		1.0	0.29	ug/L			03/09/13 05:49	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			03/09/13 05:49	1
Trichloroethene	ND		1.0	0.14	ug/L			03/09/13 05:49	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/09/13 05:49	1
Vinyl chloride	ND		1.0	0.23	ug/L			03/09/13 05:49	1
Xylenes, Total	ND		3.0	0.49	ug/L			03/09/13 05:49	1
Cyclohexane	ND		1.0	0.25	ug/L			03/09/13 05:49	1
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L			03/09/13 05:49	1
Dichlorodifluoromethane	ND		1.0	0.19	ug/L			03/09/13 05:49	1
Isopropylbenzene	ND		1.0	0.16	ug/L			03/09/13 05:49	1
Methyl acetate	ND		1.0	0.14	ug/L			03/09/13 05:49	1
Methylcyclohexane	ND		1.0	0.26	ug/L			03/09/13 05:49	1
Methyl tert-butyl ether	ND		1.0	0.18	ug/L			03/09/13 05:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32	ug/L			03/09/13 05:49	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			03/09/13 05:49	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			03/09/13 05:49	1
1,4-Dichlorobenzene	ND		1.0	0.21	ug/L			03/09/13 05:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.27	ug/L			03/09/13 05:49	1
Chloromethane	ND		1.0	0.28	ug/L			03/09/13 05:49	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-65789/4
Matrix: Water
Analysis Batch: 65789

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		64 - 135		03/09/13 05:49	1
Toluene-d8 (Surr)	98		71 - 118		03/09/13 05:49	1
4-Bromofluorobenzene (Surr)	97		70 - 118		03/09/13 05:49	1
Dibromofluoromethane (Surr)	106		70 - 128		03/09/13 05:49	1

Lab Sample ID: LCS 180-65789/8
Matrix: Water
Analysis Batch: 65789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10.0	9.03		ug/L		90	22 - 150
Benzene	10.0	9.99		ug/L		100	80 - 120
Bromodichloromethane	10.0	8.89		ug/L		89	66 - 130
Bromoform	10.0	9.52		ug/L		95	46 - 150
Bromomethane	10.0	11.3		ug/L		113	33 - 150
2-Butanone (MEK)	10.0	9.48		ug/L		95	39 - 138
Carbon disulfide	10.0	9.55		ug/L		95	54 - 132
Carbon tetrachloride	10.0	10.2		ug/L		102	55 - 150
Chlorobenzene	10.0	10.7		ug/L		107	80 - 120
Chloroethane	10.0	11.0		ug/L		110	36 - 142
Chloroform	10.0	10.2		ug/L		102	72 - 127
Dibromochloromethane	10.0	9.32		ug/L		93	60 - 140
1,2-Dibromo-3-Chloropropane	10.0	8.32		ug/L		83	37 - 133
1,2-Dibromoethane (EDB)	10.0	10.4		ug/L		104	74 - 123
1,1-Dichloroethane	10.0	10.0		ug/L		100	73 - 126
1,2-Dichloroethane	10.0	9.79		ug/L		98	68 - 132
1,1-Dichloroethene	10.0	10.3		ug/L		103	65 - 136
trans-1,2-Dichloroethene	10.0	10.2		ug/L		102	73 - 126
1,2-Dichloropropane	10.0	9.39		ug/L		94	76 - 124
cis-1,3-Dichloropropene	10.0	7.58		ug/L		76	66 - 120
trans-1,3-Dichloropropene	10.0	9.49		ug/L		95	65 - 125
Ethylbenzene	10.0	10.3		ug/L		103	72 - 126
2-Hexanone	10.0	9.82		ug/L		98	25 - 132
Methylene Chloride	10.0	9.72		ug/L		97	63 - 129
4-Methyl-2-pentanone (MIBK)	10.0	10.5		ug/L		105	45 - 145
Styrene	10.0	10.5		ug/L		105	71 - 127
1,1,2,2-Tetrachloroethane	10.0	9.82		ug/L		98	62 - 125
Tetrachloroethene	10.0	10.7		ug/L		107	70 - 135
Toluene	10.0	10.6		ug/L		106	80 - 123
1,1,1-Trichloroethane	10.0	10.7		ug/L		107	63 - 133
1,1,2-Trichloroethane	10.0	9.90		ug/L		99	77 - 127
Trichloroethene	10.0	9.55		ug/L		96	73 - 120
Trichlorofluoromethane	10.0	10.6		ug/L		106	44 - 150
Vinyl chloride	10.0	10.7		ug/L		107	53 - 138
Xylenes, Total	30.0	32.4		ug/L		108	76 - 128
Cyclohexane	10.0	10.3		ug/L		103	45 - 142
cis-1,2-Dichloroethene	10.0	9.79		ug/L		98	70 - 120
Dichlorodifluoromethane	10.0	9.07		ug/L		91	13 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-65789/8
Matrix: Water
Analysis Batch: 65789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	10.0	10.6		ug/L		106	58 - 130
Methyl acetate	10.0	9.40		ug/L		94	47 - 142
Methylcyclohexane	10.0	9.96		ug/L		100	45 - 145
Methyl tert-butyl ether	10.0	9.52		ug/L		95	64 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.4		ug/L		104	46 - 148
1,2-Dichlorobenzene	10.0	9.27		ug/L		93	77 - 120
1,3-Dichlorobenzene	10.0	9.12		ug/L		91	76 - 120
1,4-Dichlorobenzene	10.0	9.49		ug/L		95	77 - 120
1,2,4-Trichlorobenzene	10.0	8.70		ug/L		87	60 - 127
Chloromethane	10.0	10.0		ug/L		100	50 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 135*
Toluene-d8 (Surr)	*107*		*71 - 118*
4-Bromofluorobenzene (Surr)	*108*		*70 - 118*
Dibromofluoromethane (Surr)	*101*		*70 - 128*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-65267/1-A
Matrix: Water
Analysis Batch: 65573

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.0	0.14	ug/L		03/04/13 08:26	03/06/13 10:15	1
Acenaphthylene	ND		2.0	0.15	ug/L		03/04/13 08:26	03/06/13 10:15	1
Acetophenone	ND		10	0.80	ug/L		03/04/13 08:26	03/06/13 10:15	1
Anthracene	ND		2.0	0.15	ug/L		03/04/13 08:26	03/06/13 10:15	1
Atrazine	ND		10	0.89	ug/L		03/04/13 08:26	03/06/13 10:15	1
Benzaldehyde	ND		10	1.5	ug/L		03/04/13 08:26	03/06/13 10:15	1
Benzo[a]anthracene	ND		2.0	0.15	ug/L		03/04/13 08:26	03/06/13 10:15	1
Benzo[a]pyrene	ND		2.0	0.13	ug/L		03/04/13 08:26	03/06/13 10:15	1
Benzo[b]fluoranthene	ND		2.0	0.16	ug/L		03/04/13 08:26	03/06/13 10:15	1
Benzo[g,h,i]perylene	ND		2.0	0.15	ug/L		03/04/13 08:26	03/06/13 10:15	1
Benzo[k]fluoranthene	ND		2.0	0.55	ug/L		03/04/13 08:26	03/06/13 10:15	1
1,1'-Biphenyl	ND		10	0.42	ug/L		03/04/13 08:26	03/06/13 10:15	1
Bis(2-chloroethoxy)methane	ND		10	0.58	ug/L		03/04/13 08:26	03/06/13 10:15	1
Bis(2-chloroethyl)ether	ND		2.0	0.25	ug/L		03/04/13 08:26	03/06/13 10:15	1
Bis(2-ethylhexyl) phthalate	ND		20	13	ug/L		03/04/13 08:26	03/06/13 10:15	1
4-Bromophenyl phenyl ether	ND		10	0.64	ug/L		03/04/13 08:26	03/06/13 10:15	1
Butyl benzyl phthalate	ND		10	1.4	ug/L		03/04/13 08:26	03/06/13 10:15	1
Caprolactam	ND		50	12	ug/L		03/04/13 08:26	03/06/13 10:15	1
Carbazole	ND		2.0	0.16	ug/L		03/04/13 08:26	03/06/13 10:15	1
4-Chloroaniline	ND		10	0.89	ug/L		03/04/13 08:26	03/06/13 10:15	1
4-Chloro-3-methylphenol	ND		10	0.75	ug/L		03/04/13 08:26	03/06/13 10:15	1
2-Chloronaphthalene	ND		2.0	0.15	ug/L		03/04/13 08:26	03/06/13 10:15	1
2-Chlorophenol	ND		10	1.7	ug/L		03/04/13 08:26	03/06/13 10:15	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-65267/1-A
Matrix: Water
Analysis Batch: 65573

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10	0.50	ug/L		03/04/13 08:26	03/06/13 10:15	1
Chrysene	ND		2.0	0.14	ug/L		03/04/13 08:26	03/06/13 10:15	1
Dibenz(a,h)anthracene	ND		2.0	0.16	ug/L		03/04/13 08:26	03/06/13 10:15	1
Dibenzofuran	ND		10	0.62	ug/L		03/04/13 08:26	03/06/13 10:15	1
3,3'-Dichlorobenzidine	ND		10	1.1	ug/L		03/04/13 08:26	03/06/13 10:15	1
2,4-Dichlorophenol	ND		2.0	0.33	ug/L		03/04/13 08:26	03/06/13 10:15	1
Diethyl phthalate	ND		10	1.5	ug/L		03/04/13 08:26	03/06/13 10:15	1
2,4-Dimethylphenol	ND		10	0.85	ug/L		03/04/13 08:26	03/06/13 10:15	1
Dimethyl phthalate	ND		10	0.77	ug/L		03/04/13 08:26	03/06/13 10:15	1
Di-n-butyl phthalate	ND		10	1.2	ug/L		03/04/13 08:26	03/06/13 10:15	1
4,6-Dinitro-2-methylphenol	ND		50	2.2	ug/L		03/04/13 08:26	03/06/13 10:15	1
2,4-Dinitrophenol	ND		50	6.1	ug/L		03/04/13 08:26	03/06/13 10:15	1
2,4-Dinitrotoluene	ND		10	0.54	ug/L		03/04/13 08:26	03/06/13 10:15	1
2,6-Dinitrotoluene	ND		10	0.80	ug/L		03/04/13 08:26	03/06/13 10:15	1
Di-n-octyl phthalate	ND		10	2.1	ug/L		03/04/13 08:26	03/06/13 10:15	1
Fluoranthene	ND		2.0	0.16	ug/L		03/04/13 08:26	03/06/13 10:15	1
Fluorene	ND		2.0	0.22	ug/L		03/04/13 08:26	03/06/13 10:15	1
Hexachlorobenzene	ND		2.0	0.18	ug/L		03/04/13 08:26	03/06/13 10:15	1
Hexachlorobutadiene	ND		2.0	0.17	ug/L		03/04/13 08:26	03/06/13 10:15	1
Hexachlorocyclopentadiene	ND		10	0.52	ug/L		03/04/13 08:26	03/06/13 10:15	1
Hexachloroethane	ND		10	0.63	ug/L		03/04/13 08:26	03/06/13 10:15	1
Indeno[1,2,3-cd]pyrene	ND		2.0	0.20	ug/L		03/04/13 08:26	03/06/13 10:15	1
Isophorone	ND		10	0.64	ug/L		03/04/13 08:26	03/06/13 10:15	1
2-Methylnaphthalene	ND		2.0	0.12	ug/L		03/04/13 08:26	03/06/13 10:15	1
4-Methylphenol	ND		10	0.90	ug/L		03/04/13 08:26	03/06/13 10:15	1
2-Methylphenol	ND		10	0.86	ug/L		03/04/13 08:26	03/06/13 10:15	1
Naphthalene	ND		2.0	0.14	ug/L		03/04/13 08:26	03/06/13 10:15	1
2-Nitroaniline	ND		50	3.5	ug/L		03/04/13 08:26	03/06/13 10:15	1
3-Nitroaniline	ND		50	3.2	ug/L		03/04/13 08:26	03/06/13 10:15	1
4-Nitroaniline	ND		50	1.7	ug/L		03/04/13 08:26	03/06/13 10:15	1
Nitrobenzene	ND		20	0.84	ug/L		03/04/13 08:26	03/06/13 10:15	1
2-Nitrophenol	ND		10	1.7	ug/L		03/04/13 08:26	03/06/13 10:15	1
4-Nitrophenol	ND		50	6.5	ug/L		03/04/13 08:26	03/06/13 10:15	1
N-Nitrosodi-n-propylamine	ND		2.0	0.31	ug/L		03/04/13 08:26	03/06/13 10:15	1
N-Nitrosodiphenylamine	ND		10	0.85	ug/L		03/04/13 08:26	03/06/13 10:15	1
2,2'-oxybis[1-chloropropane]	ND		2.0	0.20	ug/L		03/04/13 08:26	03/06/13 10:15	1
Pentachlorophenol	ND		10	0.66	ug/L		03/04/13 08:26	03/06/13 10:15	1
Phenanthrene	ND		2.0	0.43	ug/L		03/04/13 08:26	03/06/13 10:15	1
Phenol	ND		2.0	0.58	ug/L		03/04/13 08:26	03/06/13 10:15	1
Pyrene	ND		2.0	0.16	ug/L		03/04/13 08:26	03/06/13 10:15	1
2,4,5-Trichlorophenol	ND		10	1.5	ug/L		03/04/13 08:26	03/06/13 10:15	1
2,4,6-Trichlorophenol	ND		10	1.7	ug/L		03/04/13 08:26	03/06/13 10:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*35 - 108*	*03/04/13 08:26*	*03/06/13 10:15*	*1*
2-Fluorophenol	*82*		*26 - 100*	*03/04/13 08:26*	*03/06/13 10:15*	*1*
Nitrobenzene-d5	*72*		*37 - 104*	*03/04/13 08:26*	*03/06/13 10:15*	*1*
Phenol-d5	*86*		*30 - 102*	*03/04/13 08:26*	*03/06/13 10:15*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-65267/1-A
Matrix: Water
Analysis Batch: 65573

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65267

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*88*		*25 - 130*	*03/04/13 08:26*	*03/06/13 10:15*	*1*
2,4,6-Tribromophenol	*81*		*33 - 122*	*03/04/13 08:26*	*03/06/13 10:15*	*1*

Lab Sample ID: LCS 180-65267/2-A
Matrix: Water
Analysis Batch: 65573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	200	141		ug/L		70	39 - 106
Acenaphthylene	200	159		ug/L		79	40 - 113
Acetophenone	200	152		ug/L		76	30 - 150
Anthracene	200	143		ug/L		71	37 - 108
Atrazine	200	129		ug/L		65	30 - 150
Benzaldehyde	200	52.3	*	ug/L		26	30 - 150
Benzo[a]anthracene	200	147		ug/L		73	40 - 103
Benzo[a]pyrene	200	151		ug/L		76	37 - 105
Benzo[b]fluoranthene	200	141		ug/L		70	35 - 100
Benzo[g,h,i]perylene	200	136		ug/L		68	31 - 118
Benzo[k]fluoranthene	200	145		ug/L		72	37 - 108
1,1'-Biphenyl	200	135		ug/L		67	10 - 140
Bis(2-chloroethoxy)methane	200	136		ug/L		68	36 - 101
Bis(2-chloroethyl)ether	200	138		ug/L		69	34 - 96
Bis(2-ethylhexyl) phthalate	200	155		ug/L		77	35 - 112
4-Bromophenyl phenyl ether	200	149		ug/L		75	38 - 108
Butyl benzyl phthalate	200	162		ug/L		81	34 - 110
Caprolactam	200	160		ug/L		80	10 - 140
Carbazole	200	142		ug/L		71	35 - 113
4-Chloroaniline	200	144		ug/L		72	26 - 99
4-Chloro-3-methylphenol	200	158		ug/L		79	40 - 107
2-Chloronaphthalene	200	137		ug/L		68	37 - 102
2-Chlorophenol	200	144		ug/L		72	34 - 100
4-Chlorophenyl phenyl ether	200	149		ug/L		75	39 - 107
Chrysene	200	146		ug/L		73	39 - 103
Dibenz(a,h)anthracene	200	130		ug/L		65	32 - 117
Dibenzofuran	200	142		ug/L		71	37 - 107
3,3'-Dichlorobenzidine	200	131		ug/L		65	11 - 106
2,4-Dichlorophenol	200	145		ug/L		72	34 - 106
Diethyl phthalate	200	155		ug/L		78	39 - 112
2,4-Dimethylphenol	200	155		ug/L		77	34 - 98
Dimethyl phthalate	200	150		ug/L		75	40 - 110
Di-n-butyl phthalate	200	154		ug/L		77	36 - 113
4,6-Dinitro-2-methylphenol	200	139		ug/L		70	24 - 121
2,4-Dinitrophenol	200	154		ug/L		77	3 - 125
2,4-Dinitrotoluene	200	158		ug/L		79	41 - 117
2,6-Dinitrotoluene	200	156		ug/L		78	42 - 118
Di-n-octyl phthalate	200	180		ug/L		90	27 - 118
Fluoranthene	200	144		ug/L		72	35 - 111
Fluorene	200	150		ug/L		75	39 - 107

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-65267/2-A
Matrix: Water
Analysis Batch: 65573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobenzene	200	146		ug/L		73	35 - 106
Hexachlorobutadiene	200	141		ug/L		71	30 - 103
Hexachlorocyclopentadiene	200	153		ug/L		76	19 - 116
Hexachloroethane	200	140		ug/L		70	27 - 94
Indeno[1,2,3-cd]pyrene	200	133		ug/L		67	32 - 116
Isophorone	200	147		ug/L		74	39 - 108
2-Methylnaphthalene	200	143		ug/L		72	36 - 101
4-Methylphenol	400	322		ug/L		80	34 - 104
2-Methylphenol	200	151		ug/L		76	34 - 101
Naphthalene	200	135		ug/L		68	35 - 98
2-Nitroaniline	200	153		ug/L		77	37 - 114
3-Nitroaniline	200	157		ug/L		79	32 - 117
4-Nitroaniline	200	150		ug/L		75	32 - 117
Nitrobenzene	200	136		ug/L		68	37 - 103
2-Nitrophenol	200	139		ug/L		69	33 - 108
4-Nitrophenol	200	161		ug/L		81	29 - 120
N-Nitrosodi-n-propylamine	200	161		ug/L		81	37 - 106
N-Nitrosodiphenylamine	200	134		ug/L		67	34 - 108
2,2'-oxybis[1-chloropropane]	200	134		ug/L		67	30 - 100
Pentachlorophenol	200	140		ug/L		70	10 - 118
Phenanthrene	200	145		ug/L		73	34 - 107
Phenol	200	136		ug/L		68	35 - 98
Pyrene	200	155		ug/L		77	36 - 115
2,4,5-Trichlorophenol	200	148		ug/L		74	31 - 111
2,4,6-Trichlorophenol	200	148		ug/L		74	34 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*35 - 108*
2-Fluorophenol	*77*		*26 - 100*
Nitrobenzene-d5	*67*		*37 - 104*
Phenol-d5	*79*		*30 - 102*
Terphenyl-d14	*81*		*25 - 130*
2,4,6-Tribromophenol	*76*		*33 - 122*

Lab Sample ID: 180-19174-4 MS
Matrix: Water
Analysis Batch: 65573

Client Sample ID: SMW-4
Prep Type: Total/NA
Prep Batch: 65267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	13		222	165		ug/L		68	39 - 106
Acenaphthylene	2.1		222	163		ug/L		73	40 - 113
Acetophenone	ND		222	151		ug/L		68	30 - 150
Anthracene	0.44	J	222	146		ug/L		65	37 - 108
Atrazine	ND		222	170		ug/L		77	30 - 150
Benzaldehyde	ND	*	222	157		ug/L		70	30 - 150
Benzo[a]anthracene	ND		222	149		ug/L		67	40 - 103
Benzo[a]pyrene	ND		222	149		ug/L		67	37 - 105
Benzo[b]fluoranthene	ND		222	131		ug/L		59	35 - 100

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-19174-4 MS
Matrix: Water
Analysis Batch: 65573

Client Sample ID: SMW-4
Prep Type: Total/NA
Prep Batch: 65267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[g,h,i]perylene	ND		222	142		ug/L		64	31 - 118
Benzo[k]fluoranthene	ND		222	150		ug/L		68	37 - 108
1,1'-Biphenyl	2.1	J	222	138		ug/L		61	10 - 140
Bis(2-chloroethoxy)methane	ND		222	139		ug/L		63	36 - 101
Bis(2-chloroethyl)ether	ND		222	135		ug/L		61	34 - 96
Bis(2-ethylhexyl) phthalate	ND		222	157		ug/L		71	35 - 112
4-Bromophenyl phenyl ether	ND		222	152		ug/L		69	38 - 108
Butyl benzyl phthalate	ND		222	169		ug/L		76	34 - 110
Caprolactam	ND		222	129		ug/L		58	10 - 140
Carbazole	12		222	172		ug/L		72	35 - 113
4-Chloroaniline	ND		222	128		ug/L		58	26 - 99
4-Chloro-3-methylphenol	ND		222	166		ug/L		75	40 - 107
2-Chloronaphthalene	ND		222	141		ug/L		63	37 - 102
2-Chlorophenol	ND		222	141		ug/L		63	34 - 100
4-Chlorophenyl phenyl ether	ND		222	155		ug/L		70	39 - 107
Chrysene	ND		222	144		ug/L		65	39 - 103
Dibenz(a,h)anthracene	ND		222	133		ug/L		60	32 - 117
Dibenzofuran	5.1	J	222	157		ug/L		68	37 - 107
3,3'-Dichlorobenzidine	ND		222	49.0		ug/L		22	11 - 106
2,4-Dichlorophenol	ND		222	148		ug/L		66	34 - 106
Diethyl phthalate	ND		222	164		ug/L		74	39 - 112
2,4-Dimethylphenol	ND		222	132		ug/L		60	34 - 98
Dimethyl phthalate	ND		222	151		ug/L		68	40 - 110
Di-n-butyl phthalate	ND		222	155		ug/L		70	36 - 113
4,6-Dinitro-2-methylphenol	ND		222	160		ug/L		72	24 - 121
2,4-Dinitrophenol	ND		222	179		ug/L		81	3 - 125
2,4-Dinitrotoluene	ND		222	177		ug/L		80	41 - 117
2,6-Dinitrotoluene	ND		222	160		ug/L		72	42 - 118
Di-n-octyl phthalate	ND		222	182		ug/L		82	27 - 118
Fluoranthene	0.36	J	222	152		ug/L		68	35 - 111
Fluorene	5.1		222	164		ug/L		72	39 - 107
Hexachlorobenzene	ND		222	150		ug/L		68	35 - 106
Hexachlorobutadiene	ND		222	132		ug/L		59	30 - 103
Hexachlorocyclopentadiene	ND		222	109		ug/L		49	19 - 116
Hexachloroethane	ND		222	127		ug/L		57	27 - 94
Indeno[1,2,3-cd]pyrene	ND		222	140		ug/L		63	32 - 116
Isophorone	ND		222	153		ug/L		69	39 - 108
2-Methylnaphthalene	0.24	J	222	147		ug/L		66	36 - 101
4-Methylphenol	ND		444	307		ug/L		69	34 - 104
2-Methylphenol	ND		222	141		ug/L		63	34 - 101
Naphthalene	26		222	171		ug/L		65	35 - 98
2-Nitroaniline	ND		222	168		ug/L		76	37 - 114
3-Nitroaniline	ND		222	146		ug/L		66	32 - 117
4-Nitroaniline	ND		222	153		ug/L		69	32 - 117
Nitrobenzene	ND		222	138		ug/L		62	37 - 103
2-Nitrophenol	ND		222	145		ug/L		65	33 - 108
4-Nitrophenol	ND		222	152		ug/L		68	29 - 120
N-Nitrosodi-n-propylamine	ND		222	163		ug/L		73	37 - 106

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-19174-4 MS
Matrix: Water
Analysis Batch: 65573

Client Sample ID: SMW-4
Prep Type: Total/NA
Prep Batch: 65267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodiphenylamine	ND		222	121		ug/L		55	34 - 108
2,2'-oxybis[1-chloropropane]	ND		222	130		ug/L		58	30 - 100
Pentachlorophenol	ND		222	148		ug/L		67	10 - 118
Phenanthrene	3.2		222	162		ug/L		71	34 - 107
Phenol	13		222	138		ug/L		56	35 - 98
Pyrene	ND		222	161		ug/L		73	36 - 115
2,4,5-Trichlorophenol	ND		222	148		ug/L		67	31 - 111
2,4,6-Trichlorophenol	ND		222	147		ug/L		66	34 - 110

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*35 - 108*
2-Fluorophenol	*62*		*26 - 100*
Nitrobenzene-d5	*61*		*37 - 104*
Phenol-d5	*64*		*30 - 102*
Terphenyl-d14	*63*		*25 - 130*
2,4,6-Tribromophenol	*72*		*33 - 122*

Lab Sample ID: 180-19174-4 MSD
Matrix: Water
Analysis Batch: 65573

Client Sample ID: SMW-4
Prep Type: Total/NA
Prep Batch: 65267

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	13		220	173		ug/L		73	39 - 106	5	32
Acenaphthylene	2.1		220	175		ug/L		78	40 - 113	7	33
Acetophenone	ND		220	154		ug/L		70	30 - 150	2	30
Anthracene	0.44	J	220	162		ug/L		73	37 - 108	11	40
Atrazine	ND		220	191		ug/L		87	30 - 150	12	30
Benzaldehyde	ND	*	220	163		ug/L		74	30 - 150	4	30
Benzo[a]anthracene	ND		220	155		ug/L		71	40 - 103	4	33
Benzo[a]pyrene	ND		220	159		ug/L		72	37 - 105	6	35
Benzo[b]fluoranthene	ND		220	139		ug/L		63	35 - 100	6	44
Benzo[g,h,i]perylene	ND		220	153		ug/L		70	31 - 118	7	45
Benzo[k]fluoranthene	ND		220	155		ug/L		70	37 - 108	3	42
1,1'-Biphenyl	2.1	J	220	148		ug/L		67	10 - 140	7	30
Bis(2-chloroethoxy)methane	ND		220	153		ug/L		69	36 - 101	9	35
Bis(2-chloroethyl)ether	ND		220	142		ug/L		64	34 - 96	5	34
Bis(2-ethylhexyl) phthalate	ND		220	167		ug/L		76	35 - 112	6	34
4-Bromophenyl phenyl ether	ND		220	174		ug/L		79	38 - 108	13	40
Butyl benzyl phthalate	ND		220	177		ug/L		81	34 - 110	5	35
Caprolactam	ND		220	137		ug/L		62	10 - 140	6	30
Carbazole	12		220	188		ug/L		80	35 - 113	8	32
4-Chloroaniline	ND		220	139		ug/L		63	26 - 99	8	55
4-Chloro-3-methylphenol	ND		220	177		ug/L		81	40 - 107	6	32
2-Chloronaphthalene	ND		220	153		ug/L		70	37 - 102	9	34
2-Chlorophenol	ND		220	147		ug/L		67	34 - 100	4	31
4-Chlorophenyl phenyl ether	ND		220	164		ug/L		75	39 - 107	6	34
Chrysene	ND		220	154		ug/L		70	39 - 103	6	38
Dibenz(a,h)anthracene	ND		220	143		ug/L		65	32 - 117	7	43

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-19174-4 MSD | **Client Sample ID: SMW-4**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 65573 | **Prep Batch: 65267**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenzofuran	5.1	J	220	164		ug/L		73	37 - 107	5	32
3,3'-Dichlorobenzidine	ND		220	55.5		ug/L		25	11 - 106	12	56
2,4-Dichlorophenol	ND		220	154		ug/L		70	34 - 106	4	33
Diethyl phthalate	ND		220	180		ug/L		82	39 - 112	9	32
2,4-Dimethylphenol	ND		220	142		ug/L		65	34 - 98	7	34
Dimethyl phthalate	ND		220	166		ug/L		76	40 - 110	9	33
Di-n-butyl phthalate	ND		220	174		ug/L		79	36 - 113	11	39
4,6-Dinitro-2-methylphenol	ND		220	179		ug/L		81	24 - 121	11	50
2,4-Dinitrophenol	ND		220	187		ug/L		85	3 - 125	4	62
2,4-Dinitrotoluene	ND		220	184		ug/L		84	41 - 117	4	32
2,6-Dinitrotoluene	ND		220	181		ug/L		82	42 - 118	12	33
Di-n-octyl phthalate	ND		220	192		ug/L		87	27 - 118	5	36
Fluoranthene	0.36	J	220	163		ug/L		74	35 - 111	7	43
Fluorene	5.1		220	174		ug/L		77	39 - 107	6	33
Hexachlorobenzene	ND		220	164		ug/L		74	35 - 106	9	36
Hexachlorobutadiene	ND		220	140		ug/L		64	30 - 103	6	41
Hexachlorocyclopentadiene	ND		220	117		ug/L		53	19 - 116	7	57
Hexachloroethane	ND		220	129		ug/L		59	27 - 94	2	43
Indeno[1,2,3-cd]pyrene	ND		220	150		ug/L		68	32 - 116	7	45
Isophorone	ND		220	163		ug/L		74	39 - 108	7	36
2-Methylnaphthalene	0.24	J	220	156		ug/L		71	36 - 101	6	35
4-Methylphenol	ND		440	319		ug/L		73	34 - 104	4	34
2-Methylphenol	ND		220	148		ug/L		67	34 - 101	5	34
Naphthalene	26		220	184		ug/L		72	35 - 98	8	39
2-Nitroaniline	ND		220	171		ug/L		78	37 - 114	2	33
3-Nitroaniline	ND		220	154		ug/L		70	32 - 117	5	46
4-Nitroaniline	ND		220	161		ug/L		73	32 - 117	5	39
Nitrobenzene	ND		220	149		ug/L		68	37 - 103	8	34
2-Nitrophenol	ND		220	162		ug/L		74	33 - 108	11	41
4-Nitrophenol	ND		220	162		ug/L		74	29 - 120	6	39
N-Nitrosodi-n-propylamine	ND		220	168		ug/L		76	37 - 106	3	36
N-Nitrosodiphenylamine	ND		220	133		ug/L		61	34 - 108	9	42
2,2'-oxybis[1-chloropropane]	ND		220	134		ug/L		61	30 - 100	3	38
Pentachlorophenol	ND		220	160		ug/L		73	10 - 118	8	49
Phenanthrene	3.2		220	174		ug/L		78	34 - 107	7	34
Phenol	13		220	145		ug/L		60	35 - 98	5	35
Pyrene	ND		220	169		ug/L		77	36 - 115	5	38
2,4,5-Trichlorophenol	ND		220	170		ug/L		77	31 - 111	14	32
2,4,6-Trichlorophenol	ND		220	160		ug/L		73	34 - 110	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*35 - 108*
2-Fluorophenol	*65*		*26 - 100*
Nitrobenzene-d5	*67*		*37 - 104*
Phenol-d5	*68*		*30 - 102*
Terphenyl-d14	*67*		*25 - 130*
2,4,6-Tribromophenol	*81*		*33 - 122*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 180-65042/1-A
Matrix: Water
Analysis Batch: 65347

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	17.3	J	200	9.7	ug/L		02/28/13 09:08	03/04/13 14:08	1
Antimony	ND		10	1.3	ug/L		02/28/13 09:08	03/04/13 14:08	1
Arsenic	ND		10	2.7	ug/L		02/28/13 09:08	03/04/13 14:08	1
Barium	ND		200	0.62	ug/L		02/28/13 09:08	03/04/13 14:08	1
Beryllium	0.230	J	4.0	0.23	ug/L		02/28/13 09:08	03/04/13 14:08	1
Cadmium	ND		5.0	0.13	ug/L		02/28/13 09:08	03/04/13 14:08	1
Calcium	15.2	J	5000	9.7	ug/L		02/28/13 09:08	03/04/13 14:08	1
Chromium	ND		5.0	0.57	ug/L		02/28/13 09:08	03/04/13 14:08	1
Cobalt	ND		50	0.40	ug/L		02/28/13 09:08	03/04/13 14:08	1
Copper	ND		25	2.7	ug/L		02/28/13 09:08	03/04/13 14:08	1
Iron	13.3	J	100	12	ug/L		02/28/13 09:08	03/04/13 14:08	1
Lead	ND		3.0	1.3	ug/L		02/28/13 09:08	03/04/13 14:08	1
Magnesium	ND		5000	21	ug/L		02/28/13 09:08	03/04/13 14:08	1
Manganese	ND		15	0.68	ug/L		02/28/13 09:08	03/04/13 14:08	1
Nickel	ND		40	1.6	ug/L		02/28/13 09:08	03/04/13 14:08	1
Potassium	ND		5000	750	ug/L		02/28/13 09:08	03/04/13 14:08	1
Selenium	ND		5.0	3.0	ug/L		02/28/13 09:08	03/04/13 14:08	1
Silver	ND		5.0	0.68	ug/L		02/28/13 09:08	03/04/13 14:08	1
Sodium	ND		5000	220	ug/L		02/28/13 09:08	03/04/13 14:08	1
Thallium	2.54	J	10	2.4	ug/L		02/28/13 09:08	03/04/13 14:08	1
Vanadium	ND		50	1.9	ug/L		02/28/13 09:08	03/04/13 14:08	1
Zinc	7.93	J	20	2.5	ug/L		02/28/13 09:08	03/04/13 14:08	1

Lab Sample ID: LCS 180-65042/2-A
Matrix: Water
Analysis Batch: 65347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65042

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1970		ug/L		99	80 - 120
Antimony	500	514		ug/L		103	80 - 120
Arsenic	500	515		ug/L		103	80 - 120
Barium	2000	1970		ug/L		99	80 - 120
Beryllium	50.0	50.4		ug/L		101	80 - 120
Cadmium	50.0	49.7		ug/L		99	80 - 120
Calcium	50000	48400		ug/L		97	80 - 120
Chromium	200	199		ug/L		100	80 - 120
Cobalt	500	489		ug/L		98	80 - 120
Copper	250	247		ug/L		99	80 - 120
Iron	1000	911		ug/L		91	80 - 120
Lead	500	502		ug/L		100	80 - 120
Magnesium	50000	51200		ug/L		102	80 - 120
Manganese	500	494		ug/L		99	80 - 120
Nickel	500	490		ug/L		98	80 - 120
Potassium	50000	47200		ug/L		94	80 - 120
Selenium	500	510		ug/L		102	80 - 120
Silver	50.0	51.2		ug/L		102	80 - 120
Sodium	50000	51300		ug/L		103	80 - 120
Thallium	500	503		ug/L		101	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-65042/2-A
Matrix: Water
Analysis Batch: 65347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65042

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	500	506		ug/L		101	80 - 120
Zinc	500	504		ug/L		101	80 - 120

Lab Sample ID: 180-19174-4 MS
Matrix: Water
Analysis Batch: 65347

Client Sample ID: SMW-4
Prep Type: Total/NA
Prep Batch: 65042

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	33	J B	2000	1960		ug/L		96	75 - 125
Antimony	ND		500	533		ug/L		107	75 - 125
Arsenic	8.8	J	500	550		ug/L		108	75 - 125
Barium	540		2000	2460		ug/L		96	75 - 125
Beryllium	ND		50.0	49.6		ug/L		99	75 - 125
Cadmium	ND		50.0	49.4		ug/L		99	75 - 125
Calcium	190000	B	50000	234000		ug/L		85	75 - 125
Chromium	ND		200	195		ug/L		97	75 - 125
Cobalt	ND		500	490		ug/L		98	75 - 125
Copper	ND		250	252		ug/L		101	75 - 125
Iron	14000	B	1000	15000	4	ug/L		59	75 - 125
Lead	ND		500	495		ug/L		99	75 - 125
Magnesium	25000		50000	74600		ug/L		99	75 - 125
Manganese	600		500	1070		ug/L		94	75 - 125
Nickel	ND		500	484		ug/L		97	75 - 125
Potassium	30000		50000	94600	F	ug/L		130	75 - 125
Selenium	ND		500	522		ug/L		104	75 - 125
Silver	ND		50.0	51.6		ug/L		103	75 - 125
Thallium	ND		500	491		ug/L		98	75 - 125
Vanadium	2.0	J	500	502		ug/L		100	75 - 125
Zinc	4.6	J B	500	529		ug/L		105	75 - 125

Lab Sample ID: 180-19174-4 MS
Matrix: Water
Analysis Batch: 65400

Client Sample ID: SMW-4
Prep Type: Total/NA
Prep Batch: 65042

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	1900000		50000	1970000	4	ug/L		53	75 - 125

Lab Sample ID: 180-19174-4 MSD
Matrix: Water
Analysis Batch: 65347

Client Sample ID: SMW-4
Prep Type: Total/NA
Prep Batch: 65042

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	33	J B	2000	1980		ug/L		97	75 - 125	1	20
Antimony	ND		500	537		ug/L		107	75 - 125	1	20
Arsenic	8.8	J	500	554		ug/L		109	75 - 125	1	20
Barium	540		2000	2500		ug/L		98	75 - 125	2	20
Beryllium	ND		50.0	50.2		ug/L		100	75 - 125	1	20
Cadmium	ND		50.0	49.9		ug/L		100	75 - 125	1	20
Calcium	190000	B	50000	238000		ug/L		94	75 - 125	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 180-19174-4 MSD — **Client Sample ID: SMW-4**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65347 — **Prep Batch: 65042**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	ND		200	198		ug/L		99	75 - 125	1	20
Cobalt	ND		500	494		ug/L		99	75 - 125	1	20
Copper	ND		250	256		ug/L		102	75 - 125	2	20
Iron	14000	B	1000	15300	4	ug/L		85	75 - 125	2	20
Lead	ND		500	499		ug/L		100	75 - 125	1	20
Magnesium	25000		50000	75500		ug/L		100	75 - 125	1	20
Manganese	600		500	1090		ug/L		97	75 - 125	2	20
Nickel	ND		500	489		ug/L		98	75 - 125	1	20
Potassium	30000		50000	96600	F	ug/L		134	75 - 125	2	20
Selenium	ND		500	526		ug/L		105	75 - 125	1	20
Silver	ND		50.0	52.7		ug/L		105	75 - 125	2	20
Thallium	ND		500	494		ug/L		99	75 - 125	1	20
Vanadium	2.0	J	500	509		ug/L		101	75 - 125	1	20
Zinc	4.6	J B	500	534		ug/L		106	75 - 125	1	20

Lab Sample ID: 180-19174-4 MSD — **Client Sample ID: SMW-4**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65400 — **Prep Batch: 65042**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sodium	1900000		50000	2000000	4	ug/L		120	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-65295/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65344 — **Prep Batch: 65295**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.038	ug/L		03/04/13 12:47	03/04/13 17:41	1

Lab Sample ID: LCS 180-65295/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65344 — **Prep Batch: 65295**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.47		ug/L		99	80 - 120

Lab Sample ID: 180-19174-4 MS — **Client Sample ID: SMW-4**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65344 — **Prep Batch: 65295**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		1.00	0.965		ug/L		97	75 - 125

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 180-19174-4 MSD — **Client Sample ID: SMW-4**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65344 — **Prep Batch: 65295**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		1.00	0.959		ug/L		96	75 - 125	1	20

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 180-65160/4-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65188 — **Prep Batch: 65160**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		10	1.5	ug/L		03/01/13 09:20	03/01/13 12:03	1

Lab Sample ID: HLCS 180-65160/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65188 — **Prep Batch: 65160**

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	250	244		ug/L		97	90 - 110

Lab Sample ID: LCS 180-65160/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65188 — **Prep Batch: 65160**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	200	206		ug/L		103	85 - 115

Lab Sample ID: LLCS 180-65160/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65188 — **Prep Batch: 65160**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	50.0	51.0		ug/L		102	90 - 110

Lab Sample ID: 180-19174-4 MS — **Client Sample ID: SMW-4**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65188 — **Prep Batch: 65160**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	15		100	126		ug/L		111	75 - 125

Lab Sample ID: 180-19174-4 MSD — **Client Sample ID: SMW-4**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65188 — **Prep Batch: 65160**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	15		100	119		ug/L		104	75 - 125	6	20

GC/MS VOA

Analysis Batch: 65402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-4	SMW-4	Total/NA	Water	8260B	
180-19174-4 - DL	SMW-4	Total/NA	Water	8260B	
180-19174-4 MS	SMW-4	Total/NA	Water	8260B	
180-19174-4 MSD	SMW-4	Total/NA	Water	8260B	
180-19174-6	TRIP BLANK	Total/NA	Water	8260B	
LCS 180-65402/8	Lab Control Sample	Total/NA	Water	8260B	
MB 180-65402/3	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 65789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-1	SMW-1	Total/NA	Water	8260B	
180-19174-2	SMW-2	Total/NA	Water	8260B	
180-19174-3	SMW-3	Total/NA	Water	8260B	
180-19174-5	DUP02262013	Total/NA	Water	8260B	
LCS 180-65789/8	Lab Control Sample	Total/NA	Water	8260B	
MB 180-65789/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 65267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-1	SMW-1	Total/NA	Water	3520C	
180-19174-2	SMW-2	Total/NA	Water	3520C	
180-19174-3	SMW-3	Total/NA	Water	3520C	
180-19174-3 - DL	SMW-3	Total/NA	Water	3520C	
180-19174-4	SMW-4	Total/NA	Water	3520C	
180-19174-4 MS	SMW-4	Total/NA	Water	3520C	
180-19174-4 MSD	SMW-4	Total/NA	Water	3520C	
180-19174-5	DUP02262013	Total/NA	Water	3520C	
LCS 180-65267/2-A	Lab Control Sample	Total/NA	Water	3520C	
MB 180-65267/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 65465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-1	SMW-1	Total/NA	Water	8270C	65267
180-19174-2	SMW-2	Total/NA	Water	8270C	65267
180-19174-3	SMW-3	Total/NA	Water	8270C	65267
180-19174-5	DUP02262013	Total/NA	Water	8270C	65267

Analysis Batch: 65573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-3 - DL	SMW-3	Total/NA	Water	8270C	65267
180-19174-4	SMW-4	Total/NA	Water	8270C	65267
180-19174-4 MS	SMW-4	Total/NA	Water	8270C	65267
180-19174-4 MSD	SMW-4	Total/NA	Water	8270C	65267
LCS 180-65267/2-A	Lab Control Sample	Total/NA	Water	8270C	65267
MB 180-65267/1-A	Method Blank	Total/NA	Water	8270C	65267

Metals

Prep Batch: 65042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-1	SMW-1	Total/NA	Water	3010A	
180-19174-2	SMW-2	Total/NA	Water	3010A	
180-19174-3	SMW-3	Total/NA	Water	3010A	
180-19174-4	SMW-4	Total/NA	Water	3010A	
180-19174-4 MS	SMW-4	Total/NA	Water	3010A	
180-19174-4 MSD	SMW-4	Total/NA	Water	3010A	
180-19174-5	DUP02262013	Total/NA	Water	3010A	
LCS 180-65042/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 180-65042/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 65295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-1	SMW-1	Total/NA	Water	7470A	
180-19174-2	SMW-2	Total/NA	Water	7470A	
180-19174-3	SMW-3	Total/NA	Water	7470A	
180-19174-4	SMW-4	Total/NA	Water	7470A	
180-19174-4 MS	SMW-4	Total/NA	Water	7470A	
180-19174-4 MSD	SMW-4	Total/NA	Water	7470A	
180-19174-5	DUP02262013	Total/NA	Water	7470A	
LCS 180-65295/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 180-65295/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 65344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-1	SMW-1	Total/NA	Water	7470A	65295
180-19174-2	SMW-2	Total/NA	Water	7470A	65295
180-19174-3	SMW-3	Total/NA	Water	7470A	65295
180-19174-4	SMW-4	Total/NA	Water	7470A	65295
180-19174-4 MS	SMW-4	Total/NA	Water	7470A	65295
180-19174-4 MSD	SMW-4	Total/NA	Water	7470A	65295
180-19174-5	DUP02262013	Total/NA	Water	7470A	65295
LCS 180-65295/2-A	Lab Control Sample	Total/NA	Water	7470A	65295
MB 180-65295/1-A	Method Blank	Total/NA	Water	7470A	65295

Analysis Batch: 65347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-1	SMW-1	Total/NA	Water	6010B	65042
180-19174-2	SMW-2	Total/NA	Water	6010B	65042
180-19174-3	SMW-3	Total/NA	Water	6010B	65042
180-19174-4	SMW-4	Total/NA	Water	6010B	65042
180-19174-4 MS	SMW-4	Total/NA	Water	6010B	65042
180-19174-4 MSD	SMW-4	Total/NA	Water	6010B	65042
180-19174-5	DUP02262013	Total/NA	Water	6010B	65042
LCS 180-65042/2-A	Lab Control Sample	Total/NA	Water	6010B	65042
MB 180-65042/1-A	Method Blank	Total/NA	Water	6010B	65042

Analysis Batch: 65400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-1	SMW-1	Total/NA	Water	6010B	65042
180-19174-2	SMW-2	Total/NA	Water	6010B	65042
180-19174-3	SMW-3	Total/NA	Water	6010B	65042

Metals (Continued)

Analysis Batch: 65400 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-4	SMW-4	Total/NA	Water	6010B	65042
180-19174-4 MS	SMW-4	Total/NA	Water	6010B	65042
180-19174-4 MSD	SMW-4	Total/NA	Water	6010B	65042
180-19174-5	DUP02262013	Total/NA	Water	6010B	65042

General Chemistry

Prep Batch: 65160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-1	SMW-1	Total/NA	Water	9012A	
180-19174-2	SMW-2	Total/NA	Water	9012A	
180-19174-3	SMW-3	Total/NA	Water	9012A	
180-19174-4	SMW-4	Total/NA	Water	9012A	
180-19174-4 MS	SMW-4	Total/NA	Water	9012A	
180-19174-4 MSD	SMW-4	Total/NA	Water	9012A	
180-19174-5	DUP02262013	Total/NA	Water	9012A	
HLCS 180-65160/2-A	Lab Control Sample	Total/NA	Water	9012A	
LCS 180-65160/3-A	Lab Control Sample	Total/NA	Water	9012A	
LLCS 180-65160/1-A	Lab Control Sample	Total/NA	Water	9012A	
MB 180-65160/4-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 65188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-19174-1	SMW-1	Total/NA	Water	9012A	65160
180-19174-2	SMW-2	Total/NA	Water	9012A	65160
180-19174-3	SMW-3	Total/NA	Water	9012A	65160
180-19174-4	SMW-4	Total/NA	Water	9012A	65160
180-19174-4 MS	SMW-4	Total/NA	Water	9012A	65160
180-19174-4 MSD	SMW-4	Total/NA	Water	9012A	65160
180-19174-5	DUP02262013	Total/NA	Water	9012A	65160
HLCS 180-65160/2-A	Lab Control Sample	Total/NA	Water	9012A	65160
LCS 180-65160/3-A	Lab Control Sample	Total/NA	Water	9012A	65160
LLCS 180-65160/1-A	Lab Control Sample	Total/NA	Water	9012A	65160
MB 180-65160/4-A	Method Blank	Total/NA	Water	9012A	65160

19174

2.9 1.7 #3

Chain of Custody Record

TestAmerica Laboratory location: Pittsburg, PA

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

3/12/2013

Client Contact	Client Project Manager:	Site Contact:	Lab Contact:	COC No:
Company Name: GEI Consultants, Inc.	John Finn	Garrett Schmidt	David Dunlap	1 of 1 COCs
Address: 1301 Tramansburg Rd Ste. N	Telephone: 607 216 8955	Telephone: 607 793 3463	Telephone: 412 963 7058	
City/State/Zip: Ithaca, NY 14850	Email: jfinn@geiconsultants.com			
Phone: 607 216 8955		TAT if different from below ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		
Project Name: Schenectady, NY	Method of Shipment/Carrier: ~~FedEx~~ TA Carrier			
Project Number: 102780	Shipping/Tracking No:			
PO# Lab PO# 18007622				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Preservation: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:			Analyses: 7470A Hg/6010B TAL Metals	8260B TCL VOA	8270C TCL BNA	9012A Total Cn	Sample Specific Notes / Special Instructions:
SMW-1	2-26-13	11:10		X					1	3	1		2		N	G	X	X	X	X	
SMW-2	2-26-13	12:00		X					1	3	1		2		N	G	X	X	X	X	
SMW-3	2-26-13	14:15		X					1	3	1		2		N	G	X	X	X	X	
SMW-4	2-26-13	12:45		X					1	3	1		2		N	G	X	X	X	X	
SMW-4 MS	2-26-13	12:45		X					1	3	1		2		N	G	X	X	X	X	
SMW-4 MSD	2-26-13	12:45		X					1	3	1		2		N	G	X	X	X	X	
DUP02262013	2-26-13	—		X					1	3	1		2		N	G	X	X	X	X	
Trip Blank	2-26-13	—		X						2								X			

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Send EDD to datagroup@geiconsultants.com

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Garrett Schmidt	GEI Consultants	2-26-13/15:00		TA	2-26-13 1500
	TA	2-26-13 1700		TA PITT	2-27-13 0930
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TAL-0018 (1008)

Login Sample Receipt Checklist

Client: GEI Consultants, Inc.

Job Number: 180-19174-1

Login Number: 19174

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Ras, Erin F

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	