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William J. Ryan
Project Manager

December 8, 2009

Mr. Amen Omorogbe
New York State Department of Environmental Conservation
MGP Remedial Section, Division of Environmental Remediation
Bureau of Western Remedial Action, 11th Floor
625 Broadway
Albany, New York 12233-7017

Re: Bay Shore/Brightwaters Former MGP Site
Surface Water Sampling Results

Dear Mr. Omorogbe:

We are providing this letter to summarize the results of the surface water sampling that was conducted in September 2008. The surface water sampling program was implemented as a result of discussions between National Grid, the New York State Department of Environmental Conservation (NYSDEC) and the Suffolk County Department of Health Services (SCDHS).

Surface Water Sampling Activities

The September 2008 surface water sampling activities were conducted in accordance with the NYSDEC-approved Work Plan dated, August 15, 2008, with subsequent NYSDEC-approved modified sampling locations. The Work Plan included the collection of surface water samples from eight locations in five surface water bodies including Lawrence Creek, Lawrence Lake, O-Co-Nee Pond (a.k.a., O-Co-Nee Lake), the Unnamed Pond (headwaters of O-Co-Nee Pond), and Watchogue Creek/Crum's Brook located in Bay Shore and Brightwaters, New York. The locations of these surface water bodies in relation to the Bay Shore/Brightwaters former MGP site and its designated site operable units (OU-1, OU-2, OU-3 and OU-4) are depicted on Figure 1.

On behalf of National Grid, GEI Consultants, Inc. (GEI) collected the surface water samples on September 5 and September 25, 2008 from six of the eight locations identified in the Work Plan. The surface water bodies, sample locations and sample designations are shown on Figure 2. Insufficient depth of water at locations BBSW-15 and BBSW-16 in Watchogue Creek/Crum's Brook prevented sample collection at these locations. Samples LCSW-02 and LCSW-05 were obtained from Lawrence Creek, a tidally influenced saline water body. The samples were collected in accordance with the Work Plan at two depths (1 foot off the bottom and 3 inches from the surface and designated PW and SW, respectively) at three of the six locations including LCSW-02, LCSW-05 and BBSW-07. At the remaining three locations, the samples were only collected from one interval (approximately 3 inches below the water surface) due to depth restrictions (i.e., depth to bottom was less than 6 inches).

Field Parameter Measurements

Field parameter measurements were collected as part of the September 2008 surface water sampling process and included conductivity, dissolved oxygen, oxygen release potential, pH, salinity, temperature and turbidity. Sampling activities and related information are documented on the sample collection form which is included as Attachment A. A review of the recorded parameters on the sampling form, specifically conductivity and salinity, illustrates the distinct difference in water quality between Lawrence Creek, a saline water body, and the fresh water locations sampled. The measurements for each of these parameters between these surface water bodies differed between one and two orders-of-magnitude.

Laboratory Analysis

The laboratory analyses for all nine samples included volatile organic compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method 8260 and semi-volatile organic compounds (SVOCs) via USEPA Method 8270. Additional analysis for these samples included chloride, sulfate, ammonia (not distilled), nitrite, nitrate and ortho-phosphate. Samples were submitted to H2M Labs, Inc., a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory.

Dissolved Oxygen Profiling

In addition to the collection of surface water samples for water quality purposes, dissolved oxygen profiling was conducted at locations within five tidal/saline water bodies, including Lawrence Creek and those with similar hydrologic and geographic conditions/characteristics, in order to preliminarily evaluate any potential that oxygen injection being used to remediate the OU-2 groundwater plume could be impacting Lawrence Creek. The nearest oxygen injection system, installed as part of the remedy for the Bay Shore/Brightwaters former MGP site, is located in the vicinity of the intersection of Manatuck Lane and Garner Lane a few hundred feet upgradient of Lawrence Creek. The water bodies at which dissolved oxygen profiling was conducted included Lawrence Creek and the following saline surface waters closest to Lawrence Creek with similar hydrologic and geographic conditions/characteristics: Brightwaters Canal, Orowoc Creek, Penataquit Creek, and Watchogue Creek (see Figure 1). The dissolved oxygen levels were measured using a Horiba (Model U-22) at approximate 2-foot horizons from near the water surface downward through the water column at each water body.

Summary of Results

The validated analytical results from the September 2008 surface water sampling event are summarized in Table 1. The laboratory report Form 1s are provided in Attachment B. The analytical results for the fresh water bodies (Lawrence Lake, O-Co-Nee.Pond, the Unnamed Pond, and Watchogue Creek/Crum's Brook) were compared to the New York State Ambient Water Quality Standards (6NYCRR § 703) and Guidance Values (Division of Water Technical and Operational Guidance Series 1.1.1) for fresh water Classes A, A-S, AA and AA-S – Source

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of Drinking Water (surface water). These standards and guidance values provide the most stringent level of comparison (for the contaminants of concern) for the greatest level of protection of public health. The analytical results for Lawrence Creek, a saline water body, were compared to standards and guidance values for its saline surface water body classification, Class SC, as designated in Western Suffolk County Waters (6NYCRR § 925).

There were no detections above the standards or guidance values for VOCs or SVOCs for any of the surface water samples collected (see Table 1). Detections of VOCs below standards or guidance values were found in only two of the nine samples collected, in samples obtained from Lawrence Creek and Watchogue Creek/Crum's Brook.

VOC detections in the sample from Watchogue Creek/Crum's Brook (BBSW-17) were limited to 1 microgram per liter (µg/L) and 2 µg/L of cis-1,2-dichloroethane and MTBE, respectively, both of which are not MGP-related compounds.

In Lawrence Creek, naphthalene was detected in the VOC analysis of sample LCSW-02-PW at a concentration of 10 µg/L; however, naphthalene was not detected in the SVOC analysis for this sample.

The only SVOC detections were for two compounds at estimated concentrations below detection levels, and standards and guidance values. These detections were identified in three samples and included bis(2-ethylhexyl)phthalate at 1 µg/L in the Unnamed Pond and O-Co-Nee Pond, and 4-nitroaniline at 5 µg/L in Watchogue Creek/Crum's Brook.

For the remaining sample analytes (chloride, ammonia, nitrate, nitrite, sulfate and ortho-phosphate), there were no detections above the respective fresh or saline surface water standards or guidance values.

The results of the dissolved oxygen profiling, conducted during the September 2008 surface water sampling event, are presented in Table 2. These profiles indicated that low and high tidal measurements of the dissolved oxygen in Lawrence Creek were below or within the range of dissolved oxygen concentrations measured in nearby Brightwaters Canal, Orowoc Creek, Penataquit Creek, and Watchogue Creek. Therefore, based on the data, it is concluded that the operation of the oxygen injection system upgradient of Lawrence Creek is not having any affect on oxygen levels in Lawrence Creek.

Comparison to Historical Data

On behalf of National Grid, GEI conducted an extensive file review of the historical (pre-2006, as well as two sampling events in 2006) surface water quality data made available by SCDHS for the surface water bodies located within the vicinity of the site. These surface water bodies included O-Co-Nee Pond, the Unnamed Pond, Lawrence Lake, Penataquit Creek, and Watchogue Creek/Crum's Brook (see Figure 1).

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The historical data reviewed included records from as early as the 1960s. The data also included information gathered during the Flow Augmentation Needs Studies (FANS) conducted in the late 1970s, as well as other historical data gathered by SCDHS. The data reviewed for each of the water bodies listed above included: 20 sampling dates between April 1978 and August of 1979, and seven sampling dates between May 1990 and November 2006 for the Unnamed Pond, O-Co-Nee Pond and Lawrence Lake; 34 sampling dates between May 1966 and September 1980, and another 34 sampling dates between May 1990 and December 2004 for Penataquit Creek; and 13 sampling dates between September 1976 and April 1979, and five sampling dates between August 1997 and May 2005 for Watchogue Creek/Crum's Brook.

Detailed documentation of the sampling methodologies utilized and specific sample collection information was not available for review. Therefore, comprehensive statistical comparisons of some of these historic data in relation to the data collected by GEI as part of the September 2008 surface water sampling program (conducted in accordance with the NYSDEC-approved Work Plan), could not be appropriately made. For example, dissolved oxygen methodologies and time of sample collection relative to temperature and tidal stage were unknown for historic data.

There were no exceedances of surface water standards and guidance values for VOCs, SVOCs or the other targeted analytes in the September 2008 surface water sampling program. The focus of the review presented below is concentrated on the principal compounds of concern at the Bay Shore/Brightwaters former MGP site. These compounds include VOCs (specifically, benzene, toluene, ethylbenzene and xylenes [BTEX], and naphthalene), and SVOCs (specifically, polycyclic aromatic hydrocarbons [PAHs]). Historical dissolved oxygen levels were also reviewed. The findings of this review are summarized below.

VOCs

The historic data indicates that there were no detections of BTEX reported in samples collected from either Penataquit Creek or Watchogue Creek/Crum's Brook. BTEX has sporadically been detected in Lawrence Lake with a maximum detection of 15 µg/L of total xylenes in a sample collected in 1990. The data from the only two sampling events for VOCs at O-Co-Nee Pond (2005 and 2006) indicated minor detections for BTEX (<5 µg/L).

Detections of naphthalene were limited to O-Co-Nee Pond (1 µg/L in May 2000) and Watchogue Creek/Crum's Brook (0.6 µg/L in May 2005). Naphthalene analysis was only conducted a limited number of times for each of the three water bodies (excluding O-Co-Nee Pond) beginning in 1997.

An additional non-MGP compound of note reported in the historic surface water data is methyl tert-butyl ether (MTBE), a gasoline additive. MTBE, analyzed for in six sampling events since 1997, has been consistently detected in Watchogue Creek/Crum's Brook with a maximum detection of 26 µg/L in May 2005. Minor detections (< 2 µg/L) of MTBE have also been recorded in O-Co-Nee Pond, although there was only limited data available (two sampling events).

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SVOCs

No detections of PAHs or naphthalene were reported in Lawrence Lake during the two sampling events (2000 and 2005) in which samples were analyzed for SVOCs. Two sampling events were conducted at Penataquit Creek (1998 and 2001); however, the only SVOC analyzed was benzo(a)pyrene and it was not detected. No other detections were reported.

SVOC analysis was performed on samples collected during two sampling events at O-Co-Nee Pond (May 2005 and December 2006). Several PAHs were detected at low levels including naphthalene (< 0.7 µg/L) and chrysene, fluoranthene, phenanthrene, pyrene and acenaphthene (all below 1 µg/L). SVOCs were analyzed in only one sampling event at Watchogue Creek/Crum's Brook (May 2005). Several PAHs were detected at low levels including naphthalene (0.6 µg/L) and acenaphthene, fluorene, fluoranthene, phenanthrene, 1-methylnaphthalene and 2-methylnaphthalene (all below 1 µg/L).

Dissolved Oxygen

Dissolved oxygen levels for Lawrence Lake, O-Co-Nee Pond, Penataquit Creek and Watchogue Creek/Crum's Brook were reviewed. Minimum, maximum and average levels of dissolved oxygen readings were calculated for the database.

Dissolved oxygen levels in Lawrence Lake were recorded 14 times from May 1978 to May 1979 at SCDHS station number 527-05 (Station 14-10 in the FANS) and seven times at the same station between August 1997 and April 2005. The minimum, maximum and average levels for the May 1978 to May 1979 and August 1997 to April 2005 periods, respectively, are as follows: minimum levels of 7.1 and 5.2 mg/L; maximum levels of 12.8 and 15 mg/L; and average levels of 9.8 and 8.7 mg/L.

Dissolved oxygen levels in O-Co-Nee Pond were recorded 34 times from April 1978 to November 1978 at three stations and one time at three stations in May 2005. It could not be confirmed if the stations used during the FANS corresponded to the stations used during the 2005 event. The minimum, maximum and average levels for April 1978 to November 1979 are as follows: minimum level of 6.0 mg/L; maximum level of 12.0; and average level of 8.2 mg/L. Dissolved oxygen levels of 8.0 mg/L, 8.6 mg/L and 12.8 mg/L were recorded at the three stations in May 2005.

Dissolved oxygen levels in Penataquit Creek were recorded three times from August 1978 to November 1978 at SCDHS station number 535-15 (Station 16-11 in the FANS) and 24 times at the same station between March 1998 and December 2004. The minimum, maximum and average levels for the August 1978 to November 1978 and March 1998 to December 2004 periods, respectively, are as follows: minimum levels of 6.4 and 3 mg/L; maximum levels of 6.8 and 10.5 mg/L; and average levels of 6.5 and 7.4 mg/L.

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Dissolved oxygen levels in Watchogue Creek/Crum's Brook were recorded 12 times from April 1978 to April 1979 at SCDHS station number 530-5 (Station 15-2 in the FANS) and six times at the same station between August 1997 and May 2005. The minimum, maximum and average levels for the April 1978 to April 1979 and August 1997 to May 2005 periods, respectively, are as follows: minimum levels of 2.1 and 1.2 mg/L; maximum levels of 7.0 and 9.4 mg/L; and average levels of 4.5 and 5.2 mg/L.

Conclusions

The lack of detections of MGP-related constituents (those present in the OU-2 and OU-3 groundwater plumes) in the surface water samples and the lack of detections of these compounds above the New York State Ambient Water Quality Standards and Guidance Values for surface waters provides evidence supporting that the surface water bodies involved in this study have not been adversely impacted by the groundwater plumes.

Dissolved oxygen levels in Lawrence Creek are not being affected by operation of the nearby oxygen injection system. Low and high tidal measurements of dissolved oxygen levels in Lawrence Creek collected during the September 2008 surface water sampling program were below or within the range of dissolved oxygen concentrations measured in nearby similar water bodies including Brightwaters Canal, Watchogue Creek, Penataquit Creek, and Orowoc Creek.

If you have any questions, feel free to contact me at (516) 545-2586.

Sincerely,

FOR

William J. Ryan
Project Manager

Enclosure

cc:

S. Karpinski (NYSDOH)
R. Paulsen (SCDHS)
A. Juchatz (SCDEE)
T. Leissing (National Grid)
J. Christman (National Grid)

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Tables

Table 1
Analytical Results
Surface Water Quality Data
Bay Shore, New York

		Fresh Water Bodies					
		Lawrence Lake		Unnamed Pond	Watchogue Creek/ Crum's Brook	O-Co-Nee Pond	
Sample Name:		BBSW-07-PW	BBSW-07-SW	BBSW-12	BBSW-17	BBSW-18	Duplicate of: BBSW-18
Sample Date:	NYS AWQS [1]	9/5/2008	9/5/2008	9/25/2008	9/5/2008	9/25/2008	9/25/2008
VOCs (µg/L)							
Dichloroethene, cis-1,2-	5	10 U	10 U	10 U	**1 J**	10 U	10 U
Methyl tert-butyl ether (MTBE)	NE	10 U	10 U	10 U	**2 J**	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U	10 U
Total VOCs	NE	ND	ND	ND	**3**	ND	ND
SVOCs (µg/L)							
Bis(2-ethylhexyl)phthalate	5	10 U	10 U	**1 J**	10 U	**1 J**	10 U
Nitroaniline, 4-	5*	25 U	25 U	25 U	**5 J**	25 U	25 U
Total SVOCs	NE	ND	ND	**1**	**5**	**1**	ND
Other (mg/L)							
Chloride	250	**44.5**	**44.4**	**39.3**	**62.8**	**41.7**	**42**
Nitrogen, Ammonia	NE	**0.11**	0.1 U	**0.1**	**0.3**	**0.16**	**0.14**
Nitrogen, Nitrate	10	0.1 U	0.1 U	**0.69**	**0.1**	**0.31**	**0.31**
Sulfate	250	**23.7**	**23.7**	**20.4**	**12.8**	**18.7**	**18.8**

		Lawrence Creek (Saline Water Body)				
Sample Name:		LCSW-02-PW	LCSW-02-SW	Duplicate of: LCSW-02-SW	LCSW-05-PW	LCSW-05-SW
Sample Date:	NYS AWQS [2]	9/5/2008	9/5/2008	9/5/2008	9/5/2008	9/5/2008
VOCs (µg/L)						
Dichloroethene, cis-1,2-	NE	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	NE	10 U	10 U	10 U	10 U	10 U
Naphthalene	16	**10**	10 U	10 U	10 U	10 U
Total VOCs	NE	**10**	ND	ND	ND	ND
SVOCs (µg/L)						
Bis(2-ethylhexyl)phthalate	NE	10 U	10 U	10 U	10 U	10 U
Nitroaniline, 4-	NE	25 U	25 U	25 U	25 U	25 U
Total SVOCs	NE	ND	ND	ND	ND	ND
Other (mg/L)						
Chloride	NE	**16,600**	**13,600**	**9,940**	**17,500**	**13,900**
Nitrogen, Ammonia	NE	**0.45**	**0.58**	**0.57**	**0.49**	**0.28**
Nitrogen, Nitrate	NE	0.1 U	**0.11**	0.1 U	**0.12**	**0.11**
Sulfate	NE	**2,160**	**1,720**	**1,490**	**2,270**	**1,790**

Notes:

ug/L - micrograms per liter or parts per billion (ppb)
VOCs - volatile organic compounds
SVOCs - semivolatile organic compounds
Total VOCs, and Total SVOCs are calculated using detects only

[1] NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for fresh water classes A,A-S,AA,AA-S surface water
[2] NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for saline water class SC surface water
* indicates the value is a guidance value and not a standard

NE- not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group

Only compounds with detections listed on table
Bolding indicates a detected result value

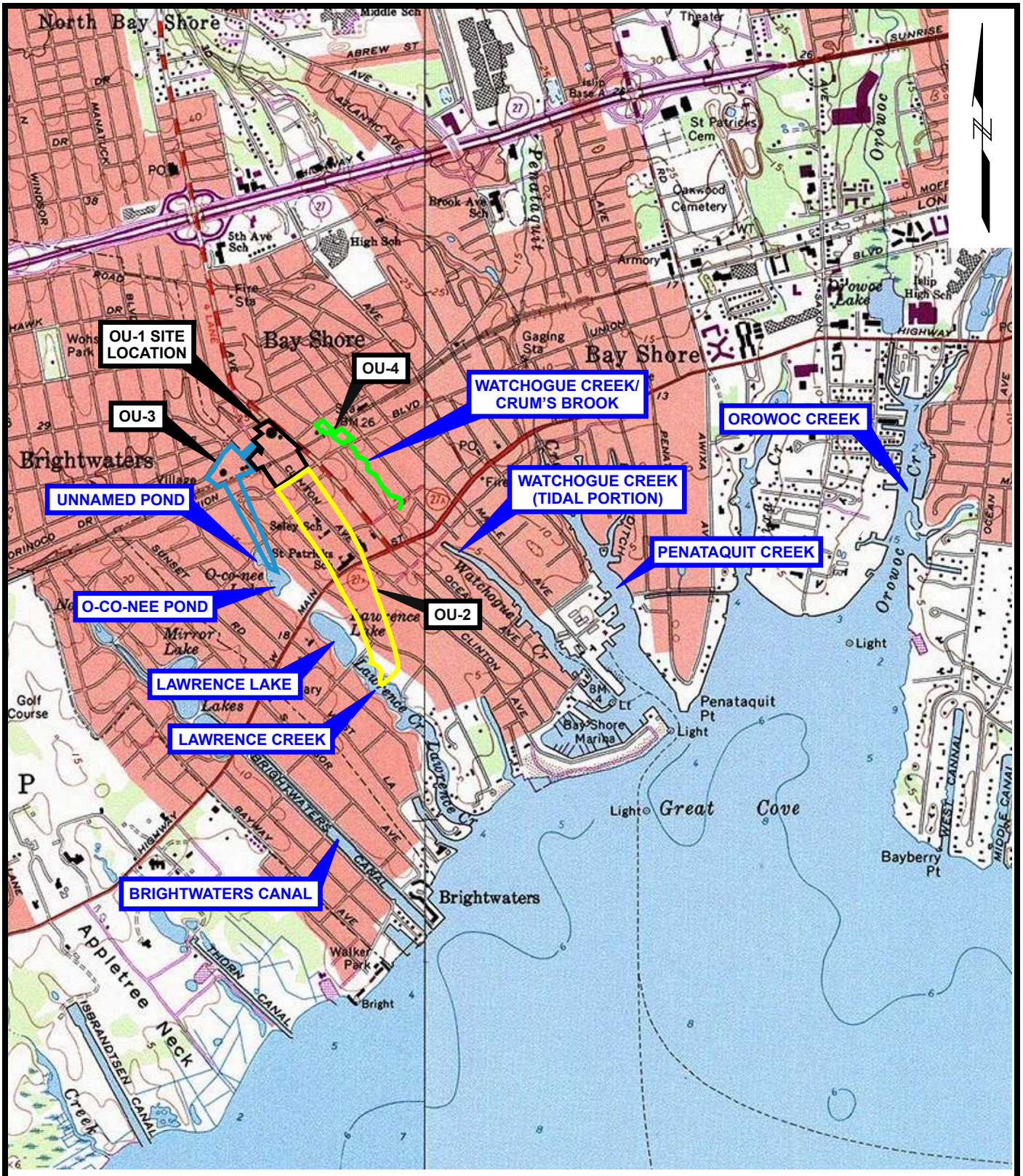
Validation Qualifiers:
U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis
J - estimated value below detection level

Table 2
Dissolved Oxygen Profiles at Lawrence Creek and Nearby Saline Water Bodies at High and Low Tides
Bay Shore, New York

Sample Location	Low Tide			High Tide		
	Depth of Sample[(1)] (ft)	DO (mg/L)	Total Depth [(2)] (ft)	Depth of Sample (ft)	DO (mg/L)	Total Depth[(2)] (ft)
Lawrence Creek (at LCSW-05)	0.25	8.64	10.1	-	-	11.5
	2	3.91		02	10.32	
	4	3.68		4	5.89	
	6	4.03		6	3.65	
	8	5.57		8	3.96	
Lawrence Creek (south of LCSW-05)	1.5	7.26	1.8	1.5	14.82	2.5
Lawrence Creek (at LCSW-02)	0.25	5.75	3.8	1	12.14	4.5
		4.38		3	5.7	
Brightwaters Canal -1	1	5.96	2.2	1	6.41	2.8
Brightwaters Canal -2	1.5	5.47	5.3	1.5	7.19	6
	3.5	5.29		3.5	5.85	
	-	-		5.5	5.82	
Brightwaters Canal -3	1	6.31	4		6.71	4.8
	3	5.32		3	6.17	
Lawrence Creek (Manatuck Lane Spillway)	1	7.22	1.5	1	8.26	2
Watchogue Creek-1	1.5	4.87	3.2	1	5.54	4
	-	-		3	5.57	
Watchogue Creek-2	0.5	9.32	3.8	1	4.53	4.5
	2	4.77		3	5.25	
Watchogue Creek-3	0.5	5.82	3.5	1	5.18	4.1
	2	4.52		3	5.08	
Panataquit Creek-1	1	7.97	5.9	2	9.96	6.8
	3	5.56		4	8.8	
	5	5.51		6	8.71	
Penataquit Creek-2	1	6.44	3.8	1.5	8.03	4.6
	3	4.54		3.5	9	
Orowoc Creek	1	7.94	1.5	1.5	7.58	2.2

(1) Depth of sample below water surface
(2) Total depth of water column at sampling point from water surface to bottom

Figures



SOURCE: Map created with TOPO! ® ©2001 National Geographic (www.nationalgeographic.com/topo)

0 2000 4000

SCALE, FEET

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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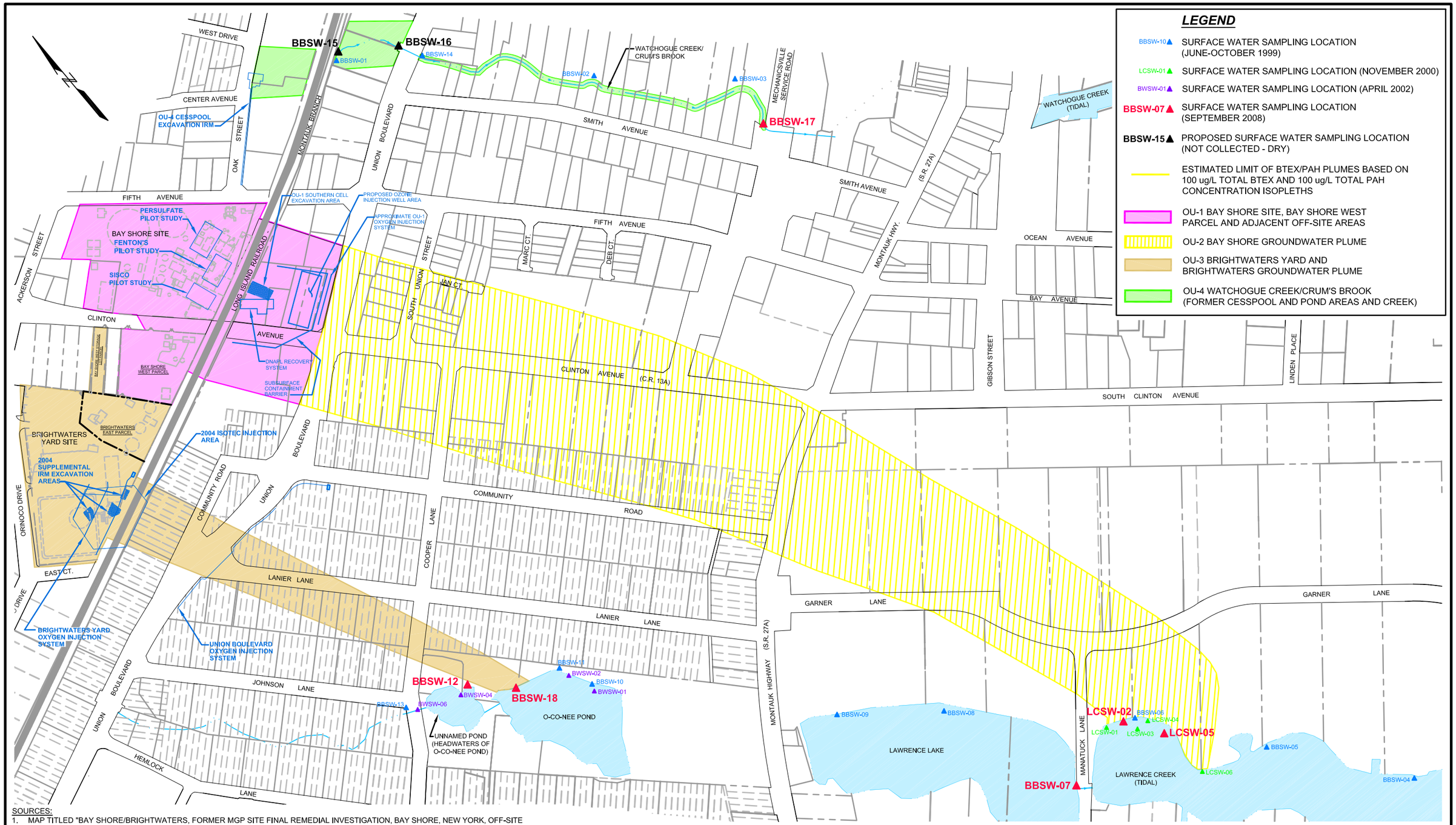
SURFACE WATER BODIES LOCATION MAP

June 2009 Figure 1

NATIONAL GRID\BAY SHORE\BAY SHORE-SURFACE WATER SAMPLING\BAY SHORE-SURFACE WATER LOCATION MAP.CDR



SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
2. FIGURE 2, GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.
5. WELL SURVEY CONDUCTED IN NOVEMBER 2007 BY NELSON & POPE, 572 WALT WHITMAN ROAD, MELVILLE, N.Y

0 300 600

SCALE, FEET

BAY SHORE/BRIGHTWATERS
FORMER MGP SITE
BAY SHORE, NEW YORK

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SURFACE WATER SAMPLING LOCATIONS

June 2009 Figure 2

I:\GEI\National Grid\Bay Shore\SURFACE WATER SAMPLING\ BAY SHORE-SW SAMPLES.dwg \Jun 25, 2009

Attachment A

ATTACHMENT A

Surface Water Sample Data Form

Project: Bay Shore/Brighwaters Former MGP Site

Sampling Crew: Chris Morris/ Bryan Paraspolo

Sampling Method: Low flow

Purging Method: Peristaltic Pump

Sample Analysis: VOCs,SVOCs, chloride, sulfate, ammonia (not distilled) nitrate, nitrite, ortho-phosphate

Purge Data														
Sample ID	**Sample Time**	**Volume Purged** *(gallons)*	**Purge Time**		**pH** (Std. Units)	**Conductivity** *(mS/cm)*	**Turbidity** *(NTU)*	**Dissolved Oxygen** *(mg/l)*	**Temperature** *(Cel.)*	**Salinity** *(%)*	**ORP** *(mV)*	**Secchi Disc Depth (ft.)**		**Total Depth** *(ft.)*
			Start	**Finish**								**Up**	**Down**	
LCSW-05 PW	0720	1	0702	0718	7.20	48.2	8.0	5.57	23.01	3.2	-84	3.0	3.1	10.1
LCSW-05 SW	0740	1	0725	0738	8.29	38.8	0.0	8.64	23.19	2.5	38			
LCSW-02 PW	0815	1	0807	0813	7.64	48.1	0.0	4.38	23.44	3.2	-51	2.9	3.0	3.8
LCSW-02 SW	0840	1	0828	0838	7.47	44.6	23.4	5.75	23.22	2.9	14			
BBSW-07 PW	1130	1	1119	1128	7.79	0.390	20.8	7.69	26.24	0.0	78	1.3	1.3	2.3
BBSW-07 SW	1200	1	1150	1158	7.46	0.183	16.6	7.76	27.95	0.0	61			
BBSW-17	1255	1	1241	1252	7.25	0.281	0.0	6.37	23.86	0.0	-5	NM	NM	0.55
BBSW-12	1530	1	1520	1528	6.40	0.539	0.0	9.68	19.60	0.02	3	NM	NM	0.33
BBSW-18	1540	1	1535	1539	6.64	0.506	5.0	12.08	19.50	0.02	26	NM	NM	0.33

Notes:

Samples collected on 9/5/08 excluding BBSW-12 & BBSW-18, which were collected on 9/25/08.

NM: Not measured since water body was too shallow.

Attachment B

Site: Bay Shore Surface Water Sampling
Laboratory: H2M Laboratories, Melville, NY
Report No.: GEI171 - 0810543
Reviewer: Lorie MacKinnon/GEI Consultants
Date: October 9, 2008

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
BBSW-07-PW	0810543-01	VOC, SVOC
BBSW-07-SW	0810543-02	VOC, SVOC
BBSW-17	0810543-03	VOC, SVOC
Blind Dup-01	0810543-04	VOC, SVOC
Field blank	0810543-05	VOC, SVOC
LCSW-02-PW	0810543-06	VOC, SVOC
LCSW-02-SW	0810543-07	VOC, SVOC
LCSW-05-PW	0810543-08	VOC, SVOC
LCSW-05-SW	0810543-09	VOC, SVOC
TB 090508	0810543-10	VOC

Associated QC Samples(s):	Field/Trip Blank:	Field blank, TB 090508
	Field Duplicate pair:	LCSW-02-SW/Blind Dup-01

The above-listed surface water samples, field blank, and trip blank sample were collected on September 5, 2008 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999) and the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (March 2001), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times and Sample Preservation
* • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
• Initial and Continuing Calibrations
• Blanks
* • Surrogate Recoveries
* • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
• Laboratory Control Sample (LCS) Results
* • Internal Standards
* • Field Duplicate Results

* • Tentatively Identified Compounds
• Quantitation Limits and Data Assessment
* • Sample Quantitation and Compound Identification

* - All criteria were met.

All results are usable for project objectives with the exception of 2-propanol, 1,4-dioxane, and ethanol in all samples, which were rejected due to low response factors (RFs).

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC and SVOC results which were below the lowest calibration standard. These results were qualified as estimated (J). These results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The positive result for acetone in sample LCSW-02-PW was qualified as nondetect (U) at the quantitation limit due to laboratory blank contamination. The result can be used for project objectives as a nondetect which may have a minor impact on the data usability.

- The positive and nondetect results for chloromethane, allyl chloride, acetone, 2,2,4-trimethylpentane, and hexachlorobutadiene in all samples were qualified as estimated (J/UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for 2-propanol, 1,4-dioxane, and ethanol in all samples were rejected (R) due to low initial and continuing calibration RFs. The results are not usable for project objectives which may have a major impact on the data usability.

- The nondetect results for benzo(k)fluoranthene in all samples were qualified as estimated (UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B deliverables for the VOC and SVOC analyses.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met in the VOC and SVOC analyses.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

Initial and Continuing Calibrations

VOC

Compounds that did not meet criteria in the VOC calibrations are summarized in the following tables.

Instrument ID HP5973-1 Compound	IC 08/07/08	CC 09/08/08 17:06
2-propanol	+ (0.033)	+ (0.026)
1,4-dioxane	+ (0.004)	+ (0.003), XX (30.5%)
Ethanol	+ (0.006)	+ (0.005)
Chloromethane		XX (30.3%)
Allyl chloride		XX (28.1%)
Acetone		XX (29.9%)
2,2,4-Trimethylpentane		XX (28.5%)
Hexachlorobutadiene		XX (44.4%)
Samples Affected	All samples listed	All samples

X = Initial calibration (IC) relative standard deviation (%RSD) > 30 for GC/MS (VOC and SVOC) and >20 for GC (pesticide/PCBs and herbicides); estimate (J) positive and blank-qualified (UJ) results only.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for 1,4-dioxane, 2-propanol, and ethanol in all samples were rejected (R) due to low response factors in the initial and continuing calibrations.

The positive and nondetect results for chloromethane, allyl chloride, acetone, 2,2,4-trimethylpentane, and hexachlorobutadiene in all samples were estimated (J/UJ) due to calibration nonconformances.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Instrument ID HP5972 Compound	**CC 09/16/08 16:32**
2-Nitroaniline	XX (72.9%)
Benzo(ghi)perylene	XX (30.0%)
Samples Affected	QC samples only

X = Initial calibration (IC) relative standard deviation (%RSD) > 30 for GC/MS (VOC and SVOC) and >20 for GC (pesticide/PCBs and herbicides); estimate (J) positive and blank-qualified (UJ) results only.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

Validation actions were not required as QC samples only were affected.

Blanks

Target compounds were not detected in the VOC and SVOC method blank samples. Target compounds were not detected in the VOC trip blank and field blank sample. Target compounds were detected in the VOC storage blank and SVOC field blank sample. The presence of blank contamination indicates that false positives may exist for this compound in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table summarizes the contamination.

Compound	Type of Blank	Associated Samples	Maximum Concentration	Action Level
Acetone	Storage blank	All samples	3 ug/L	30 ug/L
Carbon disulfide	Storage blank	All samples	5 ug/L	15 ug/L
2-Butanone	Storage blank	All samples	3 ug/L	30 ug/L
Bis(2-ethylhexyl)phthalate	Field blank	All samples	1 ug/L	10 ug/L

Sample results were qualified as follows:

- If sample concentration was < the quantitation limit (QL) and ≤ the Action Level, qualify the result as a nondetect (U) at the QL.
- If sample concentration was > the QL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the QL and > the Action Level, qualification of the data was not required.

The positive result for acetone in sample LCSW-02-PW was qualified as nondetect (U) at the quantitation limit due to laboratory storage blank contamination.

TICs were detected in the method blank samples. Validation actions were not required on this basis.

Surrogate Recoveries

All recovery criteria were met in the VOC and SVOC analyses.

MS/MSD Results

MS/MSD analyses were performed on designated sample BBSW-07-SW for VOC and SVOC. All recovery and RPD criteria were met.

Internal Standards

All recovery criteria were met in the VOC and SVOC analyses.

LCS Results

VOC

All criteria were met in the VOC analyses.

SVOC

The following table lists the compounds recovered outside of control limits in the LCS analyses and the resulting validation actions.

Compound	Recovery (%)	Control limits	Associated samples	Validation Actions
2,4-Dinitrophenol 4,6-Dinitro-2-methylphenol	106 113	11-101 47-107	All samples	Validation action was not required as the affected results were nondetect and therefore not affected by the potential high bias.
Benzo(k)fluoranthene	40	53-159	All samples	Estimate (UJ) the nondetect results for benzo(k)fluoranthene in all samples.

Compound	Recovery (%)	Control limits	Associated samples	Validation Actions
2,4-Dinitrophenol	104	11-101	QC samples	Validation action was not required on this basis.

Field Duplicate Results

Samples LCSW-02-SW and Blind Dup-1 were submitted as the field duplicate pair with this sample group. All results were nondetect in these samples.

Tentatively Identified Compounds

All criteria were met.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified as estimated (J) by the laboratory.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC and SVOC analyses.

Recd 10/20/08

Bay Shore Surface Water Sampling, Project 061140-8-1706

Site: Bay Shore Surface Water Sampling
Laboratory: H2M Laboratories, Melville, NY
Report No.: GEI180 - 0811481
Reviewer: Lorie MacKinnon/GEI Consultants
Date: October 15, 2008

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
Blind Duplicate-2	0811481-01	VOC, SVOC
Field blank-2	0811481-02	VOC, SVOC
BBSW-12	0811481-03	VOC, SVOC
BBSW-18	0811481-04	VOC, SVOC
TB 092508	0811481-05	VOC

Associated QC Samples(s):	Field/Trip Blank:	Field blank, TB 092508
	Field Duplicate pair:	BBSW-18/Blind Duplicate-2

The above-listed surface water samples, field blank, and trip blank sample were collected on September 25, 2008 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999) and the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (March 2001), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
	•	Blanks
*	•	Surrogate Recoveries
	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
*	•	Internal Standards
*	•	Field Duplicate Results
*	•	Tentatively Identified Compounds
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

All results are usable for project objectives, with the exception of 1,4-dioxane and ethanol in all samples, which were rejected due to low response factors (RFs).

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select SVOC results which were below the lowest calibration standard. These results were qualified as estimated (J). These results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The nondetect results for acetone, methyl tert-butyl ether, 2-propanol, hexachlorobutadiene, 2-chloronaphthalene, 2-nitroaniline, and 2,4-dinitrophenol in all samples were qualified as estimated (UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for 1,4-dioxane and ethanol in all samples were rejected (R) due to low initial and continuing calibration RFs. The results are not usable for project objectives which may have a major impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B deliverables for the VOC and SVOC analyses.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met in the VOC and SVOC analyses.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

Initial and Continuing Calibrations

VOC

Compounds that did not meet criteria in the VOC calibrations are summarized in the following table.

Instrument ID HP5973-1 Compound	IC 09/30/08	CC 10/01/08 17:23
2-propanol		XX (27.8%)
1,4-dioxane	+ (0.004)	+ (0.003)
Ethanol	+ (0.011)	+ (0.009)
Trans-1,2-dichloroethene	X (33.1%)	
Methyl tert-butyl ether	X (30.3%)	XX (31.5%)
Hexachlorobutadiene	X (36.4%)	XX (33.8%)
Acetone		XX (29.1%)
Samples Affected	All samples	All samples

X = Initial calibration (IC) relative standard deviation (%RSD) > 30 for GC/MS (VOC and SVOC) and >20 for GC (pesticide/PCBs and herbicides); estimate (J) positive and blank-qualified (UJ) results only.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for 1,4-dioxane and ethanol in all samples were rejected (R) due to low response factors in the initial and continuing calibrations.

Validation actions were not reqired for trans-1,2-dichloroethene, methyl tert-butyl ether, and hexachlorobutadiene due to initial calibration nonconformances as positive results only are affected and these compounds were not detected in the project samples.

The nondetect results for acetone, methyl tert-butyl ether, 2-propanol, and hexachlorobutadiene in all samples were estimated (UJ) due to calibration nonconformances.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Instrument ID HP5972 Compound	CC 10/02/08 14:48
2-Chloronaphthalene	XX (27.5%)
2-Nitroaniline	XX (78.8%)

Instrument ID HP5972 Compound	CC 10/02/08 14:48
2,4-Dinitrophenol	XX (30.2%)
Samples Affected	All samples

X = Initial calibration (IC) relative standard deviation (%RSD) > 30 for GC/MS (VOC and SVOC) and >20 for GC (pesticide/PCBs and herbicides); estimate (J) positive and blank-qualified (UJ) results only.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for 2-chloronaphthalene, 2-nitroaniline, and 2,4-dinitrophenol in all samples were qualified as estimated (UJ) due to continuing calibration nonconformances.

Blanks

VOC

Target compounds were not detected in the VOC field and trip blank samples. Methylene chloride was detected in the method blank sample. The presence of blank contamination indicates that false positives may exist for this compound in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table summarizes the contamination.

Compound	Type of Blank	Associated Samples	Maximum Concentration	Action Level
Methylene chloride	Method blank	All samples	1 ug/L	10 ug/L

Sample results were qualified as follows:

- If sample concentration was < the quantitation limit (QL) and ≤ the Action Level, qualify the result as a nondetect (U) at the QL.
- If sample concentration was > the QL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the QL and > the Action Level, qualification of the data was not required.

Validation actions were not required on this basis as methylene chloride was not detected in the project samples.

SVOC

Target compounds were not detected in the SVOC method and field blank samples.

TICs were detected in the method and field blank samples. TICs which were detected in the samples at levels less than ten times those in the associated method and field blanks, were rejected (R).

Surrogate Recoveries

All recovery criteria were met in the VOC and SVOC analyses.

MS/MSD Results

VOC

MS/MSD analyses were performed on designated sample BBSW-12. All recovery and RPD criteria were met.

SVOC

MS/MSD analyses were performed on designated sample BBSW-12. The recoveries for 4-nitrophenol (94, 95), 2,4-dinitrotoluene (99, 97), and pentachlorophenol (115, 115) were above the control limits in the MS/MSD. Validation actions were not required on this basis as the affected results were nondetect and therefore not affected by the potential high bias.

Internal Standards

All recovery criteria were met in the VOC and SVOC analyses.

LCS Results

SVOC

The following table lists the compounds recovered outside of control limits in the LCS analyses and the resulting validation actions.

Compound	Recovery (%)	Control limits	Associated samples	Validation Actions
2,4-Dinitrophenol	124	11-101	All samples	Validation action was not required as the affected results were nondetect and therefore not affected by the potential high bias.
4,6-Dinitro-2-methylphenol	117	47-107		
4-Nitrophenol	88	10-80		
2,4-Dinitrotoluene	98	24-94		
Pentachlorophenol	108	9-103		

VOC

All criteria were met in the VOC analyses.

Field Duplicate Results

Samples BBSW-18 and Blind Duplicate-2 were submitted as the field duplicate pair with this sample group. The following table summarizes the RPD of the detected analyte, which was acceptable.

Compound	BBSW-18 (ug/L)	Blind Duplicate-2 (ug/L)	RPD (%)
Bis(2-ethylhexyl)phthalate	1	10 U	NC, Within the QL

NC – Not calculable
For aqueous results > 5xQL and RPD >30; estimate (J) results in the field duplicate pair.
For aqueous results < 5xQL; the sample and duplicate results must be within the QL.

Tentatively Identified Compounds

All criteria were met.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the SVOC analyses. These results were qualified as estimated (J) by the laboratory.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC and SVOC analyses.

Site: Bay Shore Surface Water Sampling
Laboratory: H2M Laboratories, Melville, NY
Report No.: GEI171 - 0801543
Reviewer: Lorie MacKinnon/GEI Consultants
Date: October 9, 2008

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
BBSW-07-PW	0810543-01	Wet Chemistry
BBSW-07-SW	0810543-02	Wet Chemistry
BBSW-17	0810543-03	Wet Chemistry
Blind Dup-01	0810543-04	Wet Chemistry
Field blank	0810543-05	Wet Chemistry
LCSW-02-PW	0810543-06	Wet Chemistry
LCSW-02-SW	0810543-07	Wet Chemistry
LCSW-05-PW	0810543-08	Wet Chemistry
LCSW-05-SW	0810543-09	Wet Chemistry

Associated QC Samples(s):	Field Blank:	Field blank
	Field Duplicate pair:	LCSW-02-SW/Blind Dup-01

The above-listed surface water samples and field blank sample were collected on September 5, 2008and were analyzed for wet chemistry parameters which included chloride and sulfate by EPA method 300.0, ammonia by EPA method 350.1, nitrate and nitrite by EPA method 353.2, and orthophosphate by standard method 4500. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004) and the *USEPA Region 2 Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-2, Revision 13 (September 2005), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

*	• Overall Evaluation of Data and Potential Usability Issues
*	• Data Completeness
*	• Holding Times and Sample Preservation
*	• Instrument Calibration
*	• Contract Required Quantitation Limit (CRQL) Standard Recoveries
*	• Blank Analysis Results
NA	• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
*	• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
*	• Laboratory Duplicate Results
	• Field Duplicate Results
*	• Laboratory Control Sample (LCS) Results

NA • Serial Dilution Results
* • Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA – Not applicable to the methods reviewed.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for chloride in samples LCSW-02SW and Blind Dup-01 were qualified as estimated (J) due to high relative percent difference (RPD) in the evaluation of the field duplicate. The direction of the bias cannot be determined from this nonconformance. These results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Qualifications were not applied to the data as a result of analytical error.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met.

CRQL Standard Recoveries

All recovery criteria were met.

Blank Results

Analytes were not detected in the laboratory blank samples and field blank sample.

MS Results

The laboratory performed the MS analyses on designated sample BBSW-07SW for chloride, nitrate, nitrite, ammonia, orthophosphate, and sulfate. All criteria were met.

Laboratory Duplicate Results

Laboratory duplicate analyses were performed on designated sample BBSW-07SW for chloride, nitrate, nitrite, ammonia, orthophosphate, and sulfate. All criteria were met.

Field Duplicate Results

Samples LCSW-02SW and Blind Dup-01 were submitted as the field duplicate pair with this sample group. The following table summarizes the RPDs of the detected analytes, all of which were acceptable with the exception of chloride. The positive results for chloride in samples LCSW-2SW and Blind Dup-01 were estimated (J).

Analyte	LCSW-02SW (mg/L)	Blind Dup-01 (mg/L)	RPD (%)
Chloride	13,600	9940	31.1
Sulfate	1720	1490	14.3
Ammonia	0.58	0.57	0.2
Nitrate	0.11	0.10 U	NC, Within the QL

For aqueous results > 5xQL and RPDs >30; estimate (J) results in the field duplicate pair.
For aqueous results < 5xQL; the sample and duplicate results must be within the QL.

LCS Results

All criteria were met.

Detection Limits Results

All criteria were met.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

rec'd 10/20/08

Site: Bay Shore Surface Water Sampling
Laboratory: H2M Laboratories, Melville, NY
Report No.: GEI180 - 08011481
Reviewer: Lorie MacKinnon/GEI Consultants
Date: October 15, 2008

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
Blind Duplicate-2	0811481-01	Wet Chemistry
Field blank-2	0811481-02	Wet Chemistry
BBSW-12	0811481-03	Wet Chemistry
BBSW-18	0811481-04	Wet Chemistry

Associated QC Samples(s):	Field Blank:	Field blank-2
	Field Duplicate pair:	BBSW-18/Blind Duplicate-2

The above-listed surface water samples and field blank sample were collected on September 25, 2008 and were analyzed for wet chemistry parameters which included chloride and sulfate by EPA method 300.0, ammonia by EPA method 350.1, nitrate and nitrite by EPA method 353.2, and orthophosphate by standard method 4500. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004) and the *USEPA Region 2 Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program,* SOP HW-2, Revision 13 (September 2005), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

*	•	Overall Evaluation of Data and Potential Usability Issues
*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Instrument Calibration
*	•	Contract Required Quantitation Limit (CRQL) Standard Recoveries
*	•	Blank Analysis Results
NA	•	Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
*	•	Laboratory Duplicate Results
*	•	Field Duplicate Results
*	•	Laboratory Control Sample (LCS) Results
NA	•	Serial Dilution Results
*	•	Detection Limits Results
*	•	Sample Quantitation Results

* - All criteria were met for this parameter.

NA – Not applicable to the methods reviewed.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications were not applied to the data as a result of analytical error.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met.

CRQL Standard Recoveries

All recovery criteria were met.

Blank Results

Analytes were not detected in the laboratory blank samples and field blank sample.

MS Results

The laboratory performed the MS analyses on designated sample BBSW-12 for chloride, nitrate, nitrite, ammonia, orthophosphate, and sulfate. All criteria were met.

Laboratory Duplicate Results

Laboratory duplicate analyses were performed on designated sample BBSW-12 for chloride, nitrate, nitrite, ammonia, orthophosphate, and sulfate. All criteria were met.

Field Duplicate Results

Samples BBSW-18 and Blind Duplicate-2 were submitted as the field duplicate pair with this sample group. The following table summarizes the RPDs of the detected analytes, all of which were within the acceptance criteria.

Analyte	BBSW-18 (mg/L)	Blind Duplicate-2 (mg/L)	RPD (%)
Chloride	41.7	42.0	0.7
Sulfate	18.7	18.8	0.5
Ammonia	0.16	0.14	1.3
Nitrate	0.31	0.31	0

For aqueous results > 5xQL and RPDs >30; estimate (J) results in the field duplicate pair.
For aqueous results < 5xQL; the sample and duplicate results must be within the QL.

LCS Results

All criteria were met.

Detection Limits Results

All criteria were met.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBSW-12

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37824.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	U
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	UJ
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	U
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	500	UJ
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI180 S38

10/20/08 jam 10/15/08

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBSW-12

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37824.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~ ✓
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ ✓
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI180 S39

10/20/10 jam 10/15/08

1F

EPA SAMPLE NO.

BBSW-12

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37824.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI180 S40

10/20/08 Jan 10/15/08

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBSW-12

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43004.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/02/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	UJ
88-74-4	2-Nitroaniline	25	UJ
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	UJ
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI180 S41

10/20/08 from 10/15/08

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBSW-12

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43004.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/02/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI180 S42

10/20/08

10/15/08

1G

EPA SAMPLE NO.

BBSW-12

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS. INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43004.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted:(Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 10/02/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		(DEL) Alkane: Straight-Chain (11.08)	11.08	2	J
2.		(DEL) Alkane: Straight-Chain (11.98)	11.98	2	J
3.	000057-10-3	n-Hexadecanoic acid	13.09	~~6~~ ~~JN~~	R
4.		unknown (13.65)	13.65	~~3~~ ~~J~~	R
5.		unknown (13.81)	13.81	2	J
6.	000057-11-4	Octadecanoic acid	13.96	~~13~~ ~~JN~~	R
7.		unknown (14.48)	14.48	~~3~~ ~~J~~	R
8.		unknown (15.52)	15.52	3	J
9.	007683-64-9	Squalene	15.68	~~5~~ ~~BJN~~	R

GEI180 S43

10/20/08

10/15/08

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0811481-003

Client ID. : BBSW-12

Sample Information...
Type : Surface Water

Origin:

Collected : 9/25/2008 3:30:00 PM
Received : 9/26/2008 11:07:00 AM
Collected By CM99
Copies To : Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	39.3		1	mg/L	E300.0	10/01/2008 9:10 PM
Sulfate	20.4		1	mg/L	E300.0	10/01/2008 9:10 PM
Nitrogen, Ammonia (As N)	0.10		1	mg/L	E350.1	09/29/2008 1:54 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/26/2008 5:26 PM
Nitrate as N	0.69		1	mg/L	E353.2	10/02/2008 2:52 PM
Ortho Phosphate	< 0.05		1	mg/L	SM4500-P E	09/27/2008 10:34 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 10/6/2008

GEI180 S44

10/20/08
10/15/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBSW-17

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37479.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	UJ
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	UJ
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	2	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	1	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	UJ
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	~~500~~ R	~~U~~
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI171 S38

10/10/08

10/9/08

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBSW-17

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37479.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI171 S39

SW 10/15/08

JM 10/01/08

1F

EPA SAMPLE NO.

BBSW-17

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37479.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI171 S40

10/15/08

10/01/08

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBSW-17

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42703.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI171 S41

10/15/08

10/01/08

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBSW-17

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42703.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L

CAS NO.	COMPOUND		Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	5	J
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	UJ
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI171 S42

10/01/08

10/01/08

1G

EPA SAMPLE NO.

BBSW-17

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42703.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted:(Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 09/12/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 5 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000106-51-4	p-Benzoquinone	4.00	5	JN
2.		unknown	5.74	3	BJ
3.		fluoronitrophenol isomer	5.91	2	J
4.		methylnitrobenzenamine isomer	11.57	4	J
5.	~~000100-23-2~~	dimethylnitrobenzenamine isomer	11.81	6	JN

GEI171 S43

10/01/08

10/01/08

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0810543-003

Client ID. : BBSW-17

Sample Information...
Type : Surface Water

Origin:

Collected : 9/5/2008 12:55:00 PM
Received : 9/5/2008 3:25:00 PM
Collected By CM99
Copies To : Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	62.8		5	mg/L	E300.0	09/11/2008 6:24 PM
Sulfate	12.8		1	mg/L	E300.0	09/12/2008 8:39 PM
Nitrogen, Ammonia (As N)	0.30		1	mg/L	E350.1	09/10/2008 1:37 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/06/2008 10:15 AM
Nitrate as N	0.10		1	mg/L	E353.2	09/15/2008 12:19 PM
Ortho Phosphate	< 0.0500		1	mg/L	SM4500-P E	09/06/2008 10:02 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 9/22/2008

GEI171 S44
10/15/08
10/04/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBSW-18

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37827.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/02/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L

CAS NO.	COMPOUND	Q
123-91-1	1,4-Dioxane	~~U~~ R ✓
75-71-8	Dichlorodifluoromethane	U
74-87-3	Chloromethane	U
75-01-4	Vinyl chloride	U
106-99-0	1,3-Butadiene	U
74-83-9	Bromomethane	U
76-14-2	Freon-114	U
75-00-3	Chloroethane	U
75-69-4	Trichlorofluoromethane	U
75-35-4	1,1-Dichloroethene	U
107-05-1	Allyl Chloride	U
76-13-1	Freon-113	U
108-05-4	Vinyl acetate	U
67-64-1	Acetone	UJ ✓
75-15-0	Carbon disulfide	U
109-99-9	Tetrahydrofuran	U
75-09-2	Methylene chloride	U
156-60-5	trans-1,2-Dichloroethene	U
1634-04-4	Methyl tert-butyl ether	UJ ✓
75-34-3	1,1-Dichloroethane	U
156-59-2	cis-1,2-Dichloroethene	U
78-93-3	2-Butanone	U
67-66-3	Chloroform	U
71-55-6	1,1,1-Trichloroethane	U
142-82-5	Heptane	U
110-82-7	Cyclohexane	U
540-84-1	2,2,4-Trimethylpentane	U
56-23-5	Carbon tetrachloride	U
67-63-0	2-Propanol	UJ ✓
71-43-2	Benzene	U
107-06-2	1,2-Dichloroethane	U
79-01-6	Trichloroethene	U
78-87-5	1,2-Dichloropropane	U
75-27-4	Bromodichloromethane	U
10061-01-5	cis-1,3-Dichloropropene	U

GEI180 S45

10/20/08

10/15/08

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

BBSW-18

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37827.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/02/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~ ✓
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U ✓
87-68-3	Hexachlorobutadiene	10	UJ
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI180 S46

10/10/08 JM 10/15/08

1F

EPA SAMPLE NO.

BBSW-18

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37827.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/02/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI180 S47

10/2/08 jam 10/15/08

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBSW-18

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43007.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/02/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	UJ
88-74-4	2-Nitroaniline	25	UJ
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	UJ
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI180 S48

10/24/08

10/6/08

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBSW-18

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43007.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/02/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI180 S49

10/20/08 Jan 10/15/08

1G

EPA SAMPLE NO.

BBSW-18

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43007.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted:(Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 10/02/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 5 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q	
1.		(DEL) Alkane: Branched	9.14	3	J	
2.	000057-10-3	n-Hexadecanoic acid	13.09	~~7~~	~~JN~~	R
3.	000057-11-4	Octadecanoic acid	13.96	~~14~~	~~JN~~	R
4.		unknown (15.52)	15.52	3	J	
5.	007683-64-9	Squalene	15.68	~~12~~	~~BJN~~	R
6.		unknown (17.27)	17.27	2	J	

GEI180 S50

10/15/08

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0811481-004

Client ID. : BBSW-18

Sample Information...
Type : Surface Water

Origin:

Collected :9/25/2008 3:40:00 PM
Received :9/26/2008 11:07:00 AM
Collected By CM99
Copies To :Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	41.7		1	mg/L	E300.0	10/01/2008 10:32 PM
Sulfate	18.7		1	mg/L	E300.0	10/01/2008 10:32 PM
Nitrogen, Ammonia (As N)	0.16		1	mg/L	E350.1	09/29/2008 1:58 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/26/2008 5:29 PM
Nitrate as N	0.31		1	mg/L	E353.2	10/02/2008 2:55 PM
Ortho Phosphate	< 0.05		1	mg/L	SM4500-P E	09/27/2008 10:37 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 10/6/2008

GEI180 S51

WO 10/20/08
Jam 10/15/08

Duplicate of BBSW-18

recd 10/20/08

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND DUPLICATE-2

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37823.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L

CAS NO.	COMPOUND		Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	U
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	UJ
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	U
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	500	UJ
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI180 S24

10/20/08 10/15/08

Duplicate of BBSW-18

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND DUPLICATE-2

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37823.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~ ✓
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ ✓
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI180 S25

10/2/08 jmm 10/15/08

Duplicate of BBSW-18

1F

EPA SAMPLE NO.

BLIND DUPLICATE-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37823.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI180 S26

10/10/08 jm 10/15/08

Dupliate of BBSW-18

recd 10/20/08

1C

EPA SAMPLE NO.

BLIND DUP-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43002.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/02/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U J
88-74-4	2-Nitroaniline	25	U J
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U J
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI180 S27

10/20/08 from 10/15/08

Duplicate of BBSW-18

1D

EPA SAMPLE NO.

BLIND DUP-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43002.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/02/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI180 S28

10/20/08 10/16/08

Duplicate of BBSW-18

1G

EPA SAMPLE NO.

BLIND DUP-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43002.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted:(Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 10/02/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 9 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q	
1.	000057-10-3	n-Hexadecanoic acid	13.08	~~7~~	~~JN~~	R
2.	000629-96-9	1-Eicosanol	13.65	~~3~~	~~JN~~	R
3.		unknown (13.8)	13.80	2	J	
4.	000057-11-4	Octadecanoic acid	13.96	~~10~~	~~JN~~	R
5.		unknown (14.49)	14.49	~~3~~	~~J~~	R
6.		unknown (15.04)	15.04	~~3~~	~~J~~	R
7.		unknown (15.52)	15.52	3	J	
8.	007683-64-9	Squalene	15.67	~~3~~	~~BJN~~	R
9.		unknown (17.28)	17.28	2	J	

GEI180 S29

10/2/08 Jam 10/15/08

Duplicate of BBSW-18

Recd 10/22/08

H2M LABS, INC.

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

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0811481-001

Client ID. : BLIND DUPLICATE-2

Sample Information...
Type : Surface Water

Origin:

Collected : 9/25/2008
Received : 9/26/2008 11:07:00 AM
Collected By CM99
Copies To :Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	42.0		1	mg/L	E300.0	10/01/2008 8:30 PM
Sulfate	18.8		1	mg/L	E300.0	10/01/2008 8:30 PM
Nitrogen, Ammonia (As N)	0.14		1	mg/L	E350.1	09/29/2008 1:47 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/26/2008 5:23 PM
Nitrate as N	0.31		1	mg/L	E353.2	10/02/2008 2:49 PM
Ortho Phosphate	< 0.05		1	mg/L	SM4500-P E	09/27/2008 10:32 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 10/6/2008

GEI180 S30

10/20/08
10/15/08

rec'd 10/3/08

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBSW-07-PW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37475.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L

CAS NO.	COMPOUND		Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U J
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	U J
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	U J
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	~~500~~ R	~~U~~
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI171 S24

10/15/08

10/01/08

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBSW-07-PW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37475.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~ ✓
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ ✓
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI171 S25

10/15/08 10/9/08

1F

EPA SAMPLE NO.

BBSW-07-PW

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: M2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37475.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI171 S26

10/15/08

10/21/08

Rcd 10/3/08

1C

EPA SAMPLE NO.

BBSW-07-PW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42699.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	25	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	25	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	25	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	25	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran		

GEI171 S27

VV 10/15/08 jam 10/01/08

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBSW-07-PW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42699.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concencrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L

CAS NO.	COMPOUND		Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	UJ
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI171 S28

10/01/08

10/01/08

1G

EPA SAMPLE NO.

BBSW-07-PW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42699.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted:(Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 09/12/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L

Number TICs found: 6

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000106-51-4	p-Benzoquinone	4.00	2	JN
2.	000057-10-3	n-Hexadecanoic acid	13.34	2	JN
3.		(DEL) Alkane: Branched	15.61	3	J
4.		unknown (15.73)	15.73	4	J
5.		unknown (16.08)	16.08	4	J
6.		unknown (16.93)	16.93	2	J
7.		unknown (17.71)	17.71	2	J

GEI171 S29

10/6/08

10/04/08

Recd 10/3/08

H2M LABS, INC.

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

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0810543-001

Client ID. : BBSW-07-PW

Sample Information...
Type : Surface Water

Origin:

Collected :9/5/2008 11:30:00 AM
Received :9/5/2008 3:25:00 PM
Collected By CM99
Copies To :Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	44.5		5	mg/L	E300.0	09/11/2008 5:30 PM
Sulfate	23.7		1	mg/L	E300.0	09/12/2008 7:45 PM
Nitrogen, Ammonia (As N)	0.11		1	mg/L	E350.1	09/10/2008 1:32 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/06/2008 10:10 AM
Nitrate as N	< 0.10		1	mg/L	E353.2	09/15/2008 12:14 PM
Ortho Phosphate	< 0.0500		1	mg/L	SM4500-P E	09/06/2008 9:54 AM

Qualifiers. E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 9/22/2008

GEI171 S30

10/1/08

10/6/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBSW-07-SW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37476.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	UJ
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	UJ
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	UJ
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	~~500~~ R	~~U~~
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

W, 10/15/08 JAM 10/01/08

GEI171 S31

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBSW-07-SW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37476.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI171 S32

Validator 10/10/08

1F

EPA SAMPLE NO.

BBSW-07-SW

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37476.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI171 S33

10/1/08

10/1/08

1C

EPA SAMPLE NO.

BBSW-07-SW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-002B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42700.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI171 S34

10/01/08

10/01/08

1D

EPA SAMPLE NO.

BBSW-07-SW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-002B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42700.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L

CAS NO.	COMPOUND		Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	UJ ✓
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI171 S35

10/01/08

10/01/08

1G

EPA SAMPLE NO.

BBSW-07-SW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-002B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42700.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted:(Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 09/12/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 6 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000106-51-4	p-Benzoquinone	4.01	2	JN
2.	000123-31-9	Hydroquinone	7.07	2	JN
3.		(DEL) Alkane: Branched	15.62	3	J
4.		unknown (15.72)	15.72	4	J
5.		unknown (16.09)	16.09	3	J
6.		unknown (16.93)	16.93	3	J
7.		unknown (17.71)	17.71	3	J

GEI171 S36

10/01/08

10/01/08

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0810543-002

Sample Information...
Type : Surface Water

Origin:

Client ID. : BBSW-07-SW

Collected : 9/5/2008 12:00:00 PM
Received : 9/5/2008 3:25:00 PM
Collected By CM99
Copies To Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	44.4		5	mg/L	E300.0	09/11/2008 5:44 PM
Sulfate	23.7		1	mg/L	E300.0	09/12/2008 7:59 PM
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	09/10/2008 1:33 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/06/2008 10:11 AM
Nitrate as N	< 0.10		1	mg/L	E353.2	09/15/2008 12:16 PM
Ortho Phosphate	< 0.0500		1	mg/L	SM4500-P E	09/06/2008 9:56 AM

Qualifiers E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported . 9/22/2008

GEI171 S37
WO 10115/08
dm 10/04/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSW-02-PW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37481.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	UJ
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	UJ
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	~~3~~ 10 UJ	~~J~~
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	UJ
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	~~500~~ R	~~U~~
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI171 S59

10/1/08

10/01/08

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSW-02-PW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37481.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	U
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI171 S60

10/15/08

10/01/08

1F

EPA SAMPLE NO.

LCSW-02-PW

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37481.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI171 S61

10/01/08

10/01/08

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LCSW-02-PW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-006B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42706.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI171 S62

10/15/08

19/01/08

1D

EPA SAMPLE NO.

LCSW-02-PW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-006B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42706.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	UJ ✓
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI171 S63

10/15/08

10/01/08

1G

EPA SAMPLE NO.

LCSW-02-PW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-006B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42706.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted:(Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 09/12/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI171 S64

dw 10/10/08

10/10/08

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0810543-006

Client ID. : LCSW-02-PW

Sample Information...
Type : Surface Water

Origin:

Collected :9/5/2008 8:15:00 AM
Received :9/5/2008 3:25:00 PM
Collected By CM99
Copies To :Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	16600		500	mg/L	E300.0	09/12/2008 8:53 PM
Sulfate	2160		200	mg/L	E300.0	09/11/2008 7:05 PM
Nitrogen, Ammonia (As N)	0.45		1	mg/L	E350.1	09/10/2008 1:45 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/06/2008 10:18 AM
Nitrate as N	< 0.10		1	mg/L	E353.2	09/15/2008 12:23 PM
Ortho Phosphate	< 0.0500		1	mg/L	SM4500-P E	09/06/2008 10:08 AM

Qualifiers. E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 9/22/2008

GEI171 S65
W 10/15/08
10/24/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSW-02-SW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37482.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	UJ
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	UJ
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	UJ
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	~~500~~ R	~~U~~
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI171 S66
10/1/08
10/01/08

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSW-02-SW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37482.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U J
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI171 S67

10/15/08

10/01/08

1F

EPA SAMPLE NO.

LCSW-02-SW

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37482.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

GEI171 S68

10/01/08

10/01/08

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSW-02-SW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-007B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42707.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI171 S69

KW 10/15/08

JAM 10/01/08

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LCSW-02-SW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-007B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42707.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	UJ ✓
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI171 SS70

10/11/08

10/10/08

1G

EPA SAMPLE NO.

LCSW-02-SW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-007B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42707.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted:(Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 09/12/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1		unknown	16.16	2	BJ

FORM I SV-TIC OLM04.2

GEI171 S71

10/15/08

10/01/08

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0810543-007

Client ID. : LCSW-02-SW

Sample Information...
Type : Surface Water

Origin:

Collected : 9/5/2008 8:40:00 AM
Received : 9/5/2008 3:25:00 PM
Collected By CM99
Copies To :Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	13600	J	500	mg/L	E300.0	09/12/2008 9:06 PM
Sulfate	1720		200	mg/L	E300.0	09/11/2008 7:18 PM
Nitrogen, Ammonia (As N)	0.58		1	mg/L	E350.1	09/10/2008 1:47 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/06/2008 10:20 AM
Nitrate as N	0.11		1	mg/L	E353.2	09/15/2008 12:24 PM
Ortho Phosphate	< 0.0500		1	mg/L	SM4500-P E	09/06/2008 10:10 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 9/22/2008

GEI171 S72

10/15/08

10/02/08

Duplicate of LCSW-02-SW

1A

EPA SAMPLE NO.

BLIND DUP-01

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37480.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~ ✓
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	UJ ✓
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	UJ ✓
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	UJ ✓
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	UJ ✓
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	~~500~~ R	~~U~~ ✓
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI171 S45

10/15/08

10/01/08

Duplicate of LCSW-02-SW

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND DUP-01

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37480.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~ ✓
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ ✓
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI171 S46

10/15/08

10/01/08

Duplicate of LCSW-02-SW

1F

EPA SAMPLE NO.

BLIND DUP-01

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37480.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

DLW 10/10/08 GEI171 S47

JSm 10/01/08

Duplicate of LCSW-02-SW

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLIND DUP-01

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42704.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI171 S48

10/15/08

10/01/08

Duplicate of LCSW-02-SW

1D

EPA SAMPLE NO.

BLIND DUP-01

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42704.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	UJ ✓
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI171 S49

KW 10/15/08

JAM 10/01/08

Duplicate of LCSW-02-SW

1G

EPA SAMPLE NO.

BLIND DUP-01

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42704.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted:(Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 09/12/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000057-10-3	n-Hexadecanoic acid	13.33	3	JN

FORM I SV-TIC OLM04.2

GEI171 S50

KW 10/15/08

10/01/08

Duplicate of LCSW-02-SW

H2M LABS, INC.

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

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : **0810543-004**

Sample Information...
Type : Surface Water

Origin:

Client ID. : BLIND DUP-01

Collected :9/5/2008
Received :9/5/2008 3:25:00 PM
Collected By CM99
Copies To :Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	9940	J	200	mg/L ✓	E300.0	09/11/2008 6:38 PM
Sulfate	1490		200	mg/L	E300.0	09/11/2008 6:38 PM
Nitrogen, Ammonia (As N)	0.57		1	mg/L	E350.1	09/10/2008 1:38 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/06/2008 10:16 AM
Nitrate as N	< 0.10		1	mg/L	E353.2	09/15/2008 12:20 PM
Ortho Phosphate	< 0.0500		1	mg/L	SM4500-P E	09/06/2008 10:04 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 9/22/2008

GEI171 S51

10/15/08 Joann 10/06/08

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCSW-05-PW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37483.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~ ✓
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U J ✓
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	U J ✓
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	U J ✓
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	U J ✓
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	~~500~~ R	~~U~~ ✓
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

VV 10/15/08 GEI171 S73
JAM 10/01/08

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCSW-05-PW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37483.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~ ✓
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ ✓
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI171 S74

9/15/08

10/1/08

1F

EPA SAMPLE NO.

LCSW-05-PW

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37483.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI171 S75

10/15/08

10/9/08

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LCSW-05-PW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-008B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42708.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI171 S76

10/1/08

10/01/08

1D

EPA SAMPLE NO.

LCSW-05-PW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-008B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42708.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	UJ
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI171 S77

10/15/08

10/16/08

1G

EPA SAMPLE NO.

LCSW-05-PW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-008B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42708.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted:(Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 09/12/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1	~~000150-86-7~~	~~Phytol~~ Unknown	13.98	3	JN

GEI171 S78

10/13/08

10/9/08

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 FAX (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0810543-008

Client ID. : LCSW-05-PW

Sample Information...
Type : Surface Water

Origin:

Collected : 9/5/2008 7:20:00 AM
Received : 9/5/2008 3:25:00 PM
Collected By CM99
Copies To : Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	17500		500	mg/L	E300.0	09/12/2008 9:20 PM
Sulfate	2270		200	mg/L	E300.0	09/11/2008 7:32 PM
Nitrogen, Ammonia (As N)	0.49		1	mg/L	E350.1	09/10/2008 1:48 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/06/2008 10:23 AM
Nitrate as N	0.12		1	mg/L	E353.2	09/15/2008 12:25 PM
Ortho Phosphate	< 0.0500		1	mg/L	SM4500-P E	09/06/2008 10:12 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 9/22/2008

GEI171 S79

KW 10/15/08

Jam 10/02/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSW-05-SW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37484.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	UJ
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	UJ
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	UJ
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	~~500~~ R	~~U~~
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI171 S80

10/01/08

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSW-05-SW

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37484.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~ ✓
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ ✓
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI171 S81

10/15/08

10/01/08

1F

EPA SAMPLE NO.

LCSW-05-SW

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37484.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/09/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI171 S82

JW 10/15/08

JAM 10/01/08

1C

EPA SAMPLE NO.

LCSW-05-SW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-009B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42709.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/13/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI171 S83

10/1/08

10/01/08

1D

EPA SAMPLE NO.

LCSW-05-SW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-009B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42709.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/13/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L

CAS NO.	COMPOUND	Q
121-14-2	2,4-Dinitrotoluene	10 U
84-66-2	Diethylphthalate	10 U
7005-72-3	4-Chlorophenyl-phenylether	10 U
86-73-7	Fluorene	10 U
100-01-6	4-Nitroaniline	25 U
534-52-1	4,6-Dinitro-2-methylphenol	25 U
86-30-6	N-Nitrosodiphenylamine	10 U
101-55-3	4-Bromophenyl-phenylether	10 U
118-74-1	Hexachlorobenzene	10 U
87-86-5	Pentachlorophenol	25 U
85-01-8	Phenanthrene	10 U
120-12-7	Anthracene	10 U
86-74-8	Carbazole	10 U
84-74-2	Di-n-butyl phthalate	10 U
206-44-0	Fluoranthene	10 U
129-00-0	Pyrene	10 U
85-68-7	Butyl benzyl phthalate	10 U
91-94-1	3,3'-Dichlorobenzidine	10 U
56-55-3	Benzo(a)anthracene	10 U
218-01-9	Chrysene	10 U
117-81-7	Bis(2-ethylhexyl)phthalate	10 U
117-84-0	Di-n-octyl phthalate	10 U
205-99-2	Benzo(b)fluoranthene	10 U
207-08-9	Benzo(k)fluoranthene	10 UJV
50-32-8	Benzo(a)pyrene	10 U
193-39-5	Indeno(1,2,3-cd)pyrene	10 U
53-70-3	Dibenzo(a,h)anthracene	10 U
191-24-2	Benzo(g,h,i)perylene	10 U

(1) Cannot be separated from Diphenylamine

GEI171 S84

10/15/08

10/01/08

1G

EPA SAMPLE NO.

LCSW-05-SW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-009B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42709.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted:(Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 09/13/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 3 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000057-10-3	n-Hexadecanoic acid	13.33	5	JN
2.	000057-11-4	Octadecanoic acid	14.17	9	JN
3.	007683-64-9	Squalene	15.90	3	JN

GEI171 S85
10/10/08

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631)694-3040 FAX: (631)420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0810543-009

Client ID. : LCSW-05-SW

Sample Information...
Type : Surface Water

Origin:

Collected :9/5/2008 7:40:00 AM
Received :9/5/2008 3:25:00 PM
Collected By CM99
Copies To :Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	13900		500	mg/L	E300.0	09/12/2008 10:00 PM
Sulfate	1790		200	mg/L	E300.0	09/11/2008 8:12 PM
Nitrogen, Ammonia (As N)	0.28		1	mg/L	E350.1	09/10/2008 1:49 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/06/2008 10:24 AM
Nitrate as N	0.11		1	mg/L	E353.2	09/15/2008 12:29 PM
Ortho Phosphate	< 0.0500		1	mg/L	SM4500-P E	09/06/2008 10:14 AM

Qualifiers. E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 9/22/2008

GEI171 S86

10/6/08
10/6/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37471.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	UJ
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	UJ
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	UJ
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	~~500~~ R	~~U~~
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI171 S52

10/16/08 10/9/08

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD BLANK

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37471.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~ ✓
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ ✓
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI171 S53

10/10/08

10/10/08

1F

EPA SAMPLE NO.

FIELD BLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37471.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI171 S54

10/01/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK-2

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37820.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	U ✓
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	U
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	UJ ✓
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	UJ ✓
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	U
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	500	UJ ✓
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI180 S31

10/20/08 jam 10/15/08

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK-2

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37820.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L

CAS NO.	COMPOUND	Q	
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~ ✓
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ ✓
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI180 S32

10/10/08

10/15/08

1F

EPA SAMPLE NO.

FIELD BLANK-2

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37820.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI180 S33

10/20/08 jmm 10/15/08

1C

EPA SAMPLE NO.

FIELD BLANK

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-005B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42705.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L

CAS NO.	COMPOUND	Q	
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI171 S55

10/1/08

10/01/08

1D

EPA SAMPLE NO.

FIELD BLANK

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-005B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42705.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted: (Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/12/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	UJ
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI171 S56

10/15/08

10/01/08

1G

EPA SAMPLE NO.

FIELD BLANK

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: ____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: ____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-005B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C42705.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: Decanted:(Y/N) N Date Extracted: 09/09/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 09/12/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1	007683-64-9	Squalene	15.90	3	JN

GEI171 S57

VW 10/1/08

10/1/08

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD BLK-2

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-002B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43003.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/02/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	UJ
88-74-4	2-Nitroaniline	25	UJ
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	UJ
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

GEI180 S34

10/10/08 10/13/08

1D

EPA SAMPLE NO.

FIELD BLK-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-002B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43003.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/02/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

GEI180 S35

10/2/08 10/15/08

1G

EPA SAMPLE NO.

FIELD BLK-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-002B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43003.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: Decanted:(Y/N) N Date Extracted: 10/01/08

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 10/02/08

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

Number TICs found: 6 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown (7.5)	7.50	2	J
2.	000057-10-3	n-Hexadecanoic acid	13.08	2	JN
3.		unknown (13.65)	13.65	2	J
4.	000057-11-4	Octadecanoic acid	13.95	3	JN
5.		unknown (14.49)	14.49	2	J
6.		unknown (15.04)	15.04	3	J

GEI180 S36

10/20/08

10/16/08

H2M LABS, INC.

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

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : 0810543-005

Sample Information...
Type : Field Blank

Origin:

Client ID. : FIELD BLANK

Collected :9/5/2008 1:10:00 PM
Received :9/5/2008 3:25:00 PM
Collected By CM99
Copies To :Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	< 2.00		1	mg/L	E300.0	09/11/2008 6:51 PM
Sulfate	< 5.00		1	mg/L	E300.0	09/11/2008 6:51 PM
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	09/10/2008 1:44 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/06/2008 10:17 AM
Nitrate as N	< 0.10		1	mg/L	E353.2	09/15/2008 12:22 PM
Ortho Phosphate	< 0.0500		1	mg/L	SM4500-P E	09/06/2008 10:06 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 9/22/2008

GE1171 S58
10/15/08
10/04/08

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT 06033
Attn To : Matt O'Neil

Lab No. : **0811481-002**

Client ID. : FIELD BLANK-2

Sample Information...
Type : Field Blank

Origin:

Collected :9/25/2008 4:30:00 PM
Received :9/26/2008 11:07:00 AM
Collected By CM99
Copies To :Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Chloride	< 2.00		1	mg/L	E300.0	10/01/2008 8:57 PM
Sulfate	< 5.00		1	mg/L	E300.0	10/01/2008 8:57 PM
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	09/29/2008 1:48 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	09/26/2008 5:25 PM
Nitrate as N	< 0.10		1	mg/L	E353.2	10/02/2008 2:50 PM
Ortho Phosphate	< 0.05		1	mg/L	SM4500-P E	09/27/2008 10:33 AM

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Joann M. Slavin

Laboratory Manager

Date Reported : 10/6/2008

GEI180 S37

WW 10/20/08
Jam 10/15/08

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB 090508

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37472.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	UJ
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	UJ
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	UJ
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	~~500~~ R	~~U~~
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

JW 10/10/08 GEI171 S87
AM
10/9/08

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB 090508

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37472.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	UJ
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI171 S88

10/1/08
10/01/08

1F

EPA SAMPLE NO.

TB 090508

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI171

Matrix: (soil/water) WATER Lab Sample ID: 0810543-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37472.D

Level: (low/med) LOW Date Received: 09/05/08

% Moisture: not dec. Date Analyzed: 09/08/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

GEI171 S89

10/01/08

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 092508

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37821.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
123-91-1	1,4-Dioxane	~~500~~ R	~~U~~
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	10	U
76-14-2	Freon-114	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
107-05-1	Allyl Chloride	10	U
76-13-1	Freon-113	10	U
108-05-4	Vinyl acetate	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon disulfide	10	U
109-99-9	Tetrahydrofuran	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	UJ
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
142-82-5	Heptane	10	U
110-82-7	Cyclohexane	10	U
540-84-1	2,2,4-Trimethylpentane	10	U
56-23-5	Carbon tetrachloride	10	U
67-63-0	2-Propanol	500	UJ
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U

GEI180 S52

10/2/08 10/1/08

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 092508

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37821.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
75-07-0	Acetaldehyde	10	U
25168-05-2	Chlorotoluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
110-54-3	Hexane	10	U
108-38-3/106-42-3	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
103-65-1	n-Propylbenzene	10	U
108-67-8/622-96-8	1,3,5-Trimethylbenzene/P-ethyltoluene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
64-17-5	Ethanol	~~500~~ R	~~U~~ ✓
106-46-7	1,4-Dichlorobenzene	10	U
91-20-3	Naphthalene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U J ✓
120-82-1	1,2,4-Trichlorobenzene	10	U

GEI180 S53

JW 10/20/08

Jam 10/15/08

1F

EPA SAMPLE NO.

TB 092508

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-GEI SAS No.: _____ SDG No.: GEI180

Matrix: (soil/water) WATER Lab Sample ID: 0811481-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: V\F37821.D

Level: (low/med) LOW Date Received: 09/26/08

% Moisture: not dec. Date Analyzed: 10/01/08

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

GEI180 S54

10/20/08

10/15/08