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April 5, 2013

Kimberly N. Tisa, Region 1 PCB Coordinator
United State Environmental Protection Agency
5 Post Office Square OSRR07-2
Boston, MA 02109-3912

Subject: **February 2013 Groundwater Monitoring Results**
Greenwich High School Remedial Investigation Program
Greenwich High School
10 Hillside Road, Greenwich, CT 06830

Dear Ms. Tisa:

Attached, please find information detailing the results from the February 2013 groundwater sampling performed at the above referenced site. Groundwater monitoring will be performed quarterly at the site throughout 2013 and the data will be provided to the regulators and the community through public updates.

Twenty-eight of the twenty-nine monitoring wells installed at the site were sampled during the February event. Monitoring well MW-AP11, which has been dry during previous sampling events, was sampled during this round. Monitoring well MW-AP28, which has been sampled previously, was found to be dry during the February sampling. Samples were collected at each of the monitoring wells for analysis of Polychlorinated Biphenyls (PCBs), Total Petroleum Hydrocarbons (TPH), volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), and metals. Analytical methods are the same as those described in the Remedial Investigation Report (RI), Greenwich High School (AECOM, February 2013). A total of thirty samples, including two duplicates, were collected and analyzed during this round of sampling.

Overall, the analytical results and groundwater elevation contours are similar to those previously determined for the site and reported in the RI. Analytical data are summarized in Table 1 and the analytical data reports are attached. Figure 1 shows monitoring locations where groundwater screening criteria were exceeded and Figure 2 depicts the groundwater elevation contours.

PCBs

PCBs were detected in four monitoring wells found at the site, MW-AH16, MW-AA12, MW-AJ13, and

MW-Y15 and exceeded the GWPC and SWPC at each location. PCBs have been detected at concentrations exceeding the screening criteria at each of these locations previously. Each of these monitoring wells are located within the area of AOC 1 with the highest impacts to soil. PCBs were not detected in any of the other samples and no migration from the area of highest impacts to soil is observed.

Total Petroleum Hydrocarbons

TPH was detected at only one location, MW-AH16, at a concentration of 0.5 mg/L. Detection at only this location is consistent with previous data and the concentration determined is within the range of previous values. The current Groundwater Protection Criteria for TPH is 0.5 mg/L.

Volatile Organic Chemicals

VOCs have been detected at the site but only methyl ethyl ketone (MEK) ever exceeded screening criteria. MEK exceeded the GWPC in the one sample collected from MW-AA12 in July 2012.

In the February sampling event, VOCs were only detected at three locations sampled and none of the results exceeded applicable screening criteria. These three locations are MW-V12 (acetone), MW-AJ19 (acetone and toluene), and MW-BB34 (methyl tert-butyl ether (MTBE) and tetrahydrofuran). Acetone, toluene, and MTBE have all been previously detected at the site. MTBE has only been detected at MW-BB34 which is an upgradient well location at the northeast corner of the site. It should be noted that MEK was not detected in any of the February samples.

Polyaromatic Hydrocarbons

PAHs were detected in samples from five locations, MW-AA12, MW-AG10, MW-AH16, MW-AJ13, and MW-Y15. All of these monitoring locations are within the area of fill placed at the site, referred to as AOC 1 in the RI (AECOM, February 2013), and are located in or near areas of highly-impacted soil within AOC 1. PAHs were detected in all of these monitoring locations previously except for MW-AG10. MW-AG10 was installed in June 2012 and has only been sampled one time previous to this event.

PAHs exceeded screening criteria at all of the locations where they were detected except for monitoring well MW-AH16. PAHs that exceeded the screening criteria are phenanthrene and naphthalene which both exceeded the Surface Water Protection Criteria (SWPC). Phenanthrene has been detected at concentrations exceeding the SWPC at the site but this is the first time that naphthalene has been reported at concentrations that exceeded this criterion. PAH impacts appear to be limited to within the region of greatest soil impacts at the site but are not observed to migrate from this area.

Metals

During the February sampling event, five metals (arsenic, barium, lead, thallium and zinc), were found to exceed screening criteria in select monitoring wells. All five of these metals have previously been found to exceed screening criteria in groundwater samples collected to date.

Arsenic exceeded the SWPC at monitoring wells MW-S15, MW-L25, and MW-T23. Arsenic has been found to exceed the SWPC at these locations previously except for MW-L25. MW-L25 was installed in June 2012 and has only been sampled one time before this event. Arsenic was not detected in the sample collected previously from MW-L25. Only MW-S15 is located within AOC 1 and the other two wells are located on the southeast portion of the property near the school buildings in an area where groundwater flow is predominantly from the east and not from AOC-1. Arsenic is infrequently detected in groundwater at the site (seventeen of the ninety-one samples collected to date).

Barium exceeded the GWPC at monitoring wells MW-AA19 and MW-X17 which is consistent with previous data. Both of these wells are located at the southeast border of AOC 1 but analytical data collected to date indicate that these exceedances are limited and not migrating offsite. Barium is commonly detected within groundwater at the site (in all ninety-one samples collected to date).

Lead exceeded the GWPC and SWPC at monitoring well MW-T23 which is consistent with previously collected data. MW-T23 is not located within or near AOC 1 and is located in an area of the site where a significant portion of groundwater flow is from the east and not from AOC 1. Lead is infrequently detected in groundwater at the site (in six of the ninety-one samples collected to date).

Thallium exceeded the GWPC at monitoring location MW-L25. MW-L25 was installed in June 2012 and has only been sampled one time before this event. Thallium was not detected in the sample collected previously from MW-L25 and this well is not located within or near AOC 1 and groundwater flow is predominantly from the east and not from AOC 1 at this location. Thallium is infrequently detected within groundwater at the site (in two of the ninety-one samples collected to date).

Zinc exceeded the SWPC at monitoring wells MW-AG10 and MW-AJ13 which are both located within AOC 1. Both of these monitoring wells were installed in June 2012 and have only been sampled on time before this event. Zinc is detected relatively frequently in groundwater at the site (in forty-nine of the ninety-one samples collected to date) and only three exceedances of the SWPC have been determined to date.

Screening Criteria Exceedance Summary

Figure 1 presents the well locations where exceedances of groundwater screening criteria were measured in the February 2013 sampling event. Eighteen of the wells sampled had no exceedances of screening criteria including the three wells located in the southeast corner which is the primary location for groundwater discharge from the site.

For organics (PCBs, VOCs, PAHs, and TPH), the exceedances of screening criteria are limited to within AOC 1. The area of highest impacts to soil is roughly defined by a box surrounding monitoring wells MW-AH16, MW-AJ13, MW-Y15 and MW-AA12 and PCBs were only detected at these four locations. These findings are consistent with what has been previously found at the site and continue to indicate that organic groundwater impacts are not migrating from the site.

For metals, historical data and data collected during the February 2013 sampling event do not indicate a consistent pattern of impacts exceeding screening criteria. Barium has consistently been found at levels exceeding the screening GWPC at MW-X17 and MW-AA19 and arsenic has consistently exceeded the SWPC at MW-S15. However, other metals impacts at the site have been sporadic and inconsistent and additional monitoring will be ongoing. Data continue to indicate metals impacts to groundwater do not appear to be migrating from the site.

Groundwater Elevation Contours

Groundwater elevation contours are depicted on Figure 2. Groundwater elevations were determined on February 12th following snowfall at the site (greater than 2 feet). The groundwater contours indicate that groundwater flows onto the site from the east and the north, there is a groundwater mound located beneath Field 3, and groundwater flows off the site in the southeast corner. This is consistent with what has previously been determined for the site.

If you have any questions, comments, or concerns you may contact me via phone at (203) 622-7740 or via email at asiebert@greenwichct.org or Malcolm Beeler via phone at (860) 263-5806 or via email at malcolm.beeler@aecom.com.

Very Truly Yours,

Amy J. Siebert, P.E.
Commissioner, Department of Public Works

cc: G. Trombly, CT DEEP
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J. Wilcox, CT DEEP
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Attachments

Table 1
February 2013 Groundwater Analytical Data
Greenwich High School
Greenwich, CT

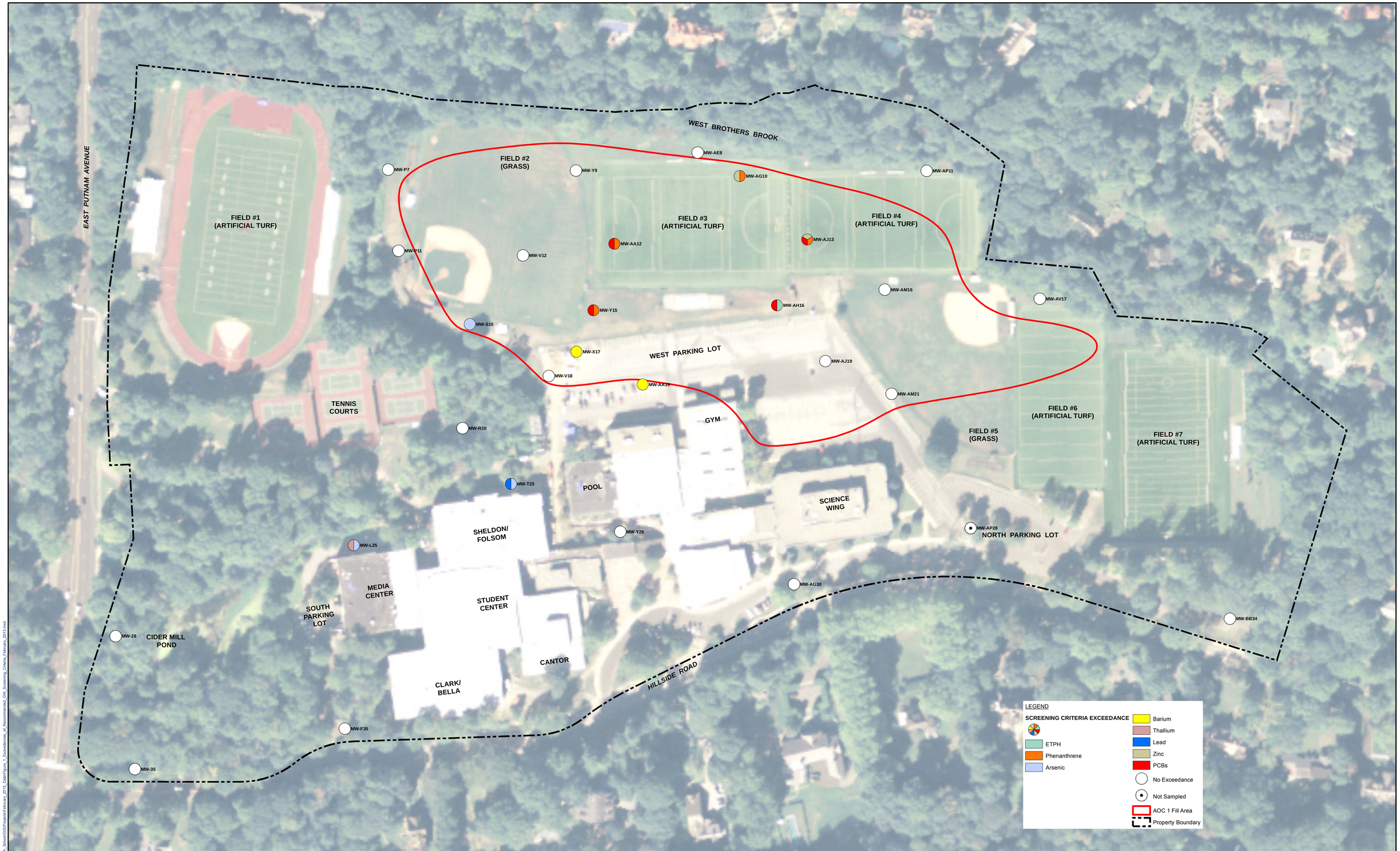
Location ID	GWPC	1996 RES GWVC	SWPC	MW-28	MW-35	MW-AA12	MW-AA19	MW-AE8	MW-AG10	MW-AG30	MW-AH16	MW-AJ13	MW-AJ13	MW-AJ19	MW-AM16	MW-AM21	MW-AP11	MW-AV17
Sample ID				MW-28-021313-1	MW-35-021313-1	MW-AA12-021513-1	MW-AA19-021213-1	MW-AE8-021413-1	MW-AG10-021413-1	MW-AG30-021513-1	MW-AH16-021413-1	MW-AJ13-021413-1	MW-AJ13-021413-2	MW-AJ19-021213-1	MW-AM16-021413-1	MW-AM21-021213-1	MW-AP11-021413-1	MW-AV17-021413-1
Sample Date				2/13/2013	2/13/2013	2/15/2013	2/12/2013	2/14/2013	2/14/2013	2/15/2013	2/14/2013	2/14/2013	2/14/2013	2/12/2013	2/14/2013	2/12/2013	2/14/2013	2/14/2013
Task				2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG	2013-MISA-WG
SDG				SB64486	SB64486	SB64640	SB64486	SB64588	SB64588	SB64640	SB64588	SB64588	SB64588	SB64419	SB64640	SB64419	SB64640	SB64640
CT ETPH (mg/L)																		
C9-C36 Aliphatic Hydrocarbons (ETPH)	0.5(1)	NE	NE	<0.2	<0.2	NS	<0.2	<0.2	<0.2	<0.2	**0.5**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total Petroleum Hydrocarbons	NE	NE	NE	<0.2	<0.2	NS	<0.2	<0.2	<0.2	<0.2	**0.5**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
VOC (ug/L)																		
1,2-Dibromoethane	0.05	4	NE	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***
Acetone	700	50000	NE	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**27.9**	<10.0	<10.0	<10.0	<10.0
Methyl Tert Butyl Ether (MTBE)	70	50000	NE	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Naphthalene	280	NE	0.3	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***
Tetrahydrofuran	NE	NE	NE	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Toluene	1000	23500	4000000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**1.41**	<1.00	<1.00	<1.00	<1.00
PAH-SIMS (ug/L)																		
1-Methylnaphthalene	NE	NE	NE	<0.050	<0.050	**0.203**	<0.050	<0.050	**0.087**	<0.050	**0.129**	**0.086**	**0.088**	<0.050	<0.050	<0.050	<0.050	<0.050
2-Methylnaphthalene	NE	NE	NE	<0.050	<0.050	<0.161	<0.050	<0.050	**0.215**	<0.050	<0.050	**0.251**	**0.262**	<0.050	<0.050	<0.050	<0.050	<0.050
Acenaphthene	NE	NE	NE	<0.050	<0.050	**1.36**	<0.050	<0.050	**0.234**	<0.050	**1.35**	**0.262**	**0.275**	<0.050	<0.050	<0.050	<0.050	<0.050
Acenaphthylene	420	NE	0.3	<0.050	<0.050	<0.161	<0.050	<0.050	**0.085**	<0.050	<0.050	**0.078**	**0.081**	<0.050	<0.050	<0.050	<0.050	<0.050
Anthracene	2000	NE	1100000	<0.050	<0.050	<0.161	<0.050	<0.050	**0.061**	<0.050	**0.148**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo(a)anthracene	0.06	NE	0.3	<0.050	<0.050	***<0.161***	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo(b)fluoranthene	0.08	NE	0.3	<0.050	<0.050	***<0.161***	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Fluoranthene	280	NE	3700	<0.050	<0.050	**0.313**	<0.050	<0.050	**0.063**	<0.050	**0.258**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Fluorene	280	NE	140000	<0.050	<0.050	**0.352**	<0.050	<0.050	**0.16**	<0.050	**0.852**	**0.16**	**0.158**	<0.050	<0.050	<0.050	<0.050	<0.050
Naphthalene	280	NE	0.3	<0.050	<0.050	<0.161	<0.050	<0.050	**0.52**	<0.050	<0.050	**0.65**	**0.695**	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	200	NE	0.077	<0.050	<0.050	**0.41**	<0.050	<0.050	**0.179**	<0.050	**0.064**	**0.177**	**0.17**	<0.050	<0.050	<0.050	<0.050	<0.050
Pyrene	200	NE	110000	<0.050	<0.050	**0.206**	<0.050	<0.050	<0.050	<0.050	**0.169**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total PAHs	NE	NE	NE	<0.050	<0.050	**2.844**	<0.050	<0.050	**1.604**	<0.050	**2.97**	**1.664**	**1.729**	<0.050	<0.050	<0.050	<0.050	<0.050
Metals (mg/L)																		
Antimony	0.006	NE	86	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	***<0.0300***	<0.0060	<0.0060	<0.0060
Arsenic	0.01	NE	0.004	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Barium	1	NE	NE	**0.0546**	**0.182**	**0.0627**	**1.91**	**0.0854**	**0.279**	**0.0796**	**0.397**	**0.0951**	**0.109**	**0.72**	**0.26**	**0.281**	**0.0703**	**0.184**
Calcium	NE	NE	NE	**35.8**	**34.2**	**25.4**	**249**	**68.4**	**52.1**	**35**	**128**	**21.4**	**23.8**	**160**	**119**	**95**	**20.9**	**91.5**
Chromium	0.05	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Copper	1.3	NE	0.048	<0.0050	**0.0062**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Iron	NE	NE	NE	**1.48**	**0.189**	**0.0968**	**56.3**	**2.18**	**17.9**	**0.0278**	**11.5**	**2.3**	**2.89**	**24.9**	**51.6**	**4.79**	**0.443**	**23.4**
Lead	0.015	NE	0.013	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075
Magnesium	NE	NE	NE	**12.3**	**7.77**	**1.46**	**58**	**13.7**	**13.6**	**7.5**	**52.2**	**6.62**	**7.88**	**21.8**	**33**	**24.4**	**5.65**	**12.3**
Manganese	NE	NE	NE	**1.78**	**0.104**	**0.0342**	**4.04**	**0.306**	**1.4**	**0.588**	**0.756**	**0.272**	**0.327**	**2.08**	**8.16**	**1.51**	**1.1**	**0.377**
Nickel	0.1	NE	0.88	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0067**	**0.0074**	<0.0050	<0.0050	<0.0050	**0.0128**	<0.0050
Potassium	NE	NE	NE	**3.21**	**5.47**	**3.17**	**22.3**	**5.82**	**2.71**	**9.74**	**25.3**	**3.42**	**3.6**	**13.4**	**6.36**	**7.44**	**3.75**	**10.9**
Selenium	0.05	NE	0.05	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	***<0.0750 DL***	<0.0150	<0.0150	<0.0300
Sodium	NE	NE	NE	**28.8**	**60.8**	**6.63**	**2520**	**6.37**	**31**	**887**	**55.8**	**5.42**	**6.11**	**986**	**19.2**	**297**	**60.1**	**54.8**
Thallium	0.005	NE	0.063	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Vanadium	0.05	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zinc	5	NE	0.123	**0.0696**	**0.0086**	**0.119**	**0.0056**	**0.0116**	**0.164**	<0.0050	**0.0437**	**0.132**	**0.105**	**0.0094**	<0.0050	**0.0398**	**0.0342**	**0.0148**
PCB Homologs (ug/L)																		
Monochlorobiphenyl	NE	NE	NE	<0.005	<0.005	**0.144**	<0.005	<0.005	<0.005	<0.005	**33.9**	**0.153**	**0.114**	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorobiphenyl	NE	NE	NE	<0.005	<0.005	**1.47**	<0.005	<0.005	<0.005	<0.005	**41.3**	**3.32**	**3.21**	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorobiphenyl	NE	NE	NE	<0.005	<0.005	**0.478**	<0.005	<0.005	<0.005	<0.005	**8.57**	**3.12**	**2.9**	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachlorobiphenyl	NE	NE	NE	<0.01	<0.01	<0.0152	<0.01	<0.01	<0.01	<0.01	<0.1	**0.493**	**0.307**	<0.01	<0.01	<0.01	<0.01	<0.01
Pentachlorobiphenyl	NE	NE	NE	<0.01	<0.01	<0.0152	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobiphenyl	NE	NE	NE	<0.01	<0.01	<0.0152	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlorobiphenyl	NE	NE	NE	<0.015	<0.015	<0.0227	<0.015	<0.015	<0.015	<0.015	<0.15	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Octachlorobiphenyl	NE	NE	NE	<0.015	<0.015	<0.0227	<0.015	<0.015	<0.015	<0.015	<0.15	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Nonachlorobiphenyl	NE	NE	NE	<0.025	<0.025	<0.0379	<0.025	<0.025	<0.025	<0.025	<0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Decachlorobiphenyl (PCB-209)	NE	NE	NE	<0.025	<0.025	<0.0379	<0.025	<0.025	<0.025	<0.025	<0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Total PCB	0.5	NE	0.5	<0.025	<0.025	**2.09**	<0.025	<0.025	<0.025	<0.025	**83.8**	**7.09**	**6.54**	<0.025	<0.025	<0.025	<0.025	<0.025

Notes:
This is a summary table. Only detected compounds are presented.
Bold = Detected above reporting limit
Orange highlighted cells exceed GWPC.
Yellow highlighted cells exceed SWPC.
GWPC = Ground water protection criteria.
RES VC = Residential volatilization criteria.
SWPC = Surface water protection criteria.
NE = Criteriion has not been established
NS = Not Sampled for Specific Analyte
ug/L = microgram per liter
NS = Not sampled for this constituent..
ug/Kg = microgram per kilogram
mg/Kg = miligram per kilogram
mg/L = miligram per Liter
(1) Current standard is 0.5 mg/l but 0.1 mg/l has been proposed

Table 1
February 2013 Groundwater Analytical Data
Greenwich High School
Greenwich, CT

Location ID Sample ID Sample Date Task SDG	GWPC	1996 RES GWVC	SWPC	MW-BB34 MW-BB34-021213-1 2/12/2013 2013-MISA-WG SB64419	MW-F35 MW-F35-021313-1 2/13/2013 2013-MISA-WG SB64486	MW-L25 MW-L25-021313-1 2/13/2013 2013-MISA-WG SB64486	MW-P111 MW-P11-021313-1 2/13/2013 2013-MISA-WG SB64588	MW-P7 MW-P7-021313-1 2/13/2013 2013-MISA-WG SB64486	MW-R20 MW-R20-021313-1 2/13/2013 2013-MISA-WG SB64486	MW-S15 MW-S15-021313-1 2/13/2013 2013-MISA-WG SB64486	MW-S15 MW-S15-021313-2 2/13/2013 2013-MISA-WG SB64486	MW-T23 MW-T23-021313-1 2/13/2013 2013-MISA-WG SB64588	MW-V12 MW-V12-021413-1 2/14/2013 2013-MISA-WG SB64588	MW-V18 MW-V18-021213-1 2/12/2013 2013-MISA-WG SB64419	MW-X17 MW-X17-021213-1 2/12/2013 2013-MISA-WG SB64419	MW-Y15 MW-Y15-021413-1 2/14/2013 2013-MISA-WG SB64588	MW-Y26 MW-Y26-021213-1 2/12/2013 2013-MISA-WG SB64486	MW-Y9 MW-Y9-021413-1 2/14/2013 2013-MISA-WG SB64588
CT ETPH (mg/L)																		
C9-C36 Aliphatic Hydrocarbons (ETPH)	0.5(1)	NE	NE	<0.2	<0.2	<0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total Petroleum Hydrocarbons	NE	NE	NE	<0.2	<0.2	<0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
VOC (ug/L)																		
1,2-Dibromoethane	0.05	4	NE	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	***<0.50***
Acetone	700	50000	NE	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**176**	<10.0	**25.7**	<10.0	<10.0	<10.0
Methyl Tert Butyl Ether (MTBE)	70	50000	NE	**2.45**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Naphthalene	280	NE	0.3	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***	***<1.00***
Tetrahydrofuran	NE	NE	NE	**2.68**	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Toluene	1000	23500	4000000	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
PAH-SIMS (ug/L)																		
1-Methylnaphthalene	NE	NE	NE	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.222**	<0.050	<0.050
2-Methylnaphthalene	NE	NE	NE	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.095**	<0.050	<0.050
Acenaphthene	NE	NE	NE	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.318**	<0.050	<0.050
Acenaphthylene	420	NE	0.3	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Anthracene	2000	NE	1100000	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo(a)anthracene	0.06	NE	0.3	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo(b)fluoranthene	0.08	NE	0.3	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Fluoranthene	280	NE	3700	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Fluorene	280	NE	140000	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.168**	<0.050	<0.050
Naphthalene	280	NE	0.3	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	200	NE	0.077	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.078**	<0.050	<0.050
Pyrene	200	NE	110000	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total PAHs	NE	NE	NE	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.881**	<0.050	<0.050
Metals (mg/L)																		
Antimony	0.006	NE	86	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Arsenic	0.01	NE	0.004	<0.0040	<0.0040	**0.0047**	<0.0040	<0.0040	<0.0040	<0.0040	**0.005**	**0.0072**	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Barium	1	NE	NE	**0.61**	**0.453**	**0.834**	**0.0766**	**0.0804**	**0.0773**	**0.195**	**0.216**	**0.448**	**0.75**	**0.64**	**1.67**	**0.421**	**0.228**	**0.888**
Calcium	NE	NE	NE	**249**	**115**	**148**	**74.4**	**30.3**	**50.1**	**57.6**	**59.2**	**44.2**	**90.6**	**264**	**218**	**90**	**168**	**49.8**
Chromium	0.05	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0474**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Copper	1.3	NE	0.048	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0308**	**0.0056**	<0.0050	<0.0050	**0.007**	<0.0050	<0.0050
Iron	NE	NE	NE	**0.448**	**0.0798**	**10.5**	**0.0546**	**0.218**	**0.0636**	**11.7**	**12.4**	**21.8**	**7.8**	**2.51**	**44.8**	**12.8**	**0.0241**	**2.63**
Lead	0.015	NE	0.013	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	**0.0226**	<0.0075	<0.0075	<0.0075	**0.0096**	<0.0075	<0.0075
Magnesium	NE	NE	NE	**107**	**27.8**	**28.9**	**17.5**	**10.7**	**8.4**	**19.2**	**20.8**	**14.7**	**46**	**56**	**39**	**32.2**	**45.2**	**31.2**
Manganese	NE	NE	NE	**1.8**	**2.22**	**10.7**	**0.63**	**2.03**	**0.0098**	**0.833**	**0.902**	**1.74**	**0.36**	**1**	**3.54**	**0.658**	**3.16**	**0.187**
Nickel	0.1	NE	0.88	**0.0122**	**0.0071**	<0.0050	<0.0050	**0.005**	<0.0050	<0.0050	<0.0050	**0.0182**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0094**	<0.0050
Potassium	NE	NE	NE	**12.9**	**12.3**	**15.1**	**5.15**	**6.02**	**3.9**	**7.42**	**7.84**	**12.5**	**43.4**	**29**	**37.6**	**28**	**13.4**	**27.3**
Selenium	0.05	NE	0.05	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Sodium	NE	NE	NE	**224**	**414**	**610**	**12.1**	**11.7**	**5**	**20.5**	**23.4**	**85.8**	**168**	**692**	**2940**	**55.8**	**218**	**61.8**
Thallium	0.005	NE	0.063	<0.0050	<0.0050	**0.0076**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Vanadium	0.05	NE	NE	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0412**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zinc	5	NE	0.123	**0.01**	**0.01**	**0.0071**	**0.015**	**0.04**	**0.0232**	<0.0050	**0.0053**	**0.106**	**0.0093**	**0.0096**	**0.0144**	**0.0346**	**0.0134**	**0.0508**
PCB Homologs (ug/L)																		
Monochlorobiphenyl	NE	NE	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**1.69**	NS	<0.00505
Dichlorobiphenyl	NE	NE	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**2.47**	NS	<0.00505
Trichlorobiphenyl	NE	NE	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.468**	NS	<0.00505
Tetrachlorobiphenyl	NE	NE	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS	<0.0101
Pentachlorobiphenyl	NE	NE	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS	<0.0101
Hexachlorobiphenyl	NE	NE	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NS	<0.0101
Heptachlorobiphenyl	NE	NE	NE	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	NS	<0.0152
Octachlorobiphenyl	NE	NE	NE	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	NS	<0.0152
Nonachlorobiphenyl	NE	NE	NE	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NS	<0.0253
Decachlorobiphenyl (PCB-209)	NE	NE	NE	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NS	<0.0253
Total PCB	0.5	NE	0.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	**4.63**	NS	<0.0253

Notes:
This is a summary table. Only detected compounds are presented.
Bold = Detected above reporting limit
Orange highlighted cells exceed GWPC.
Yellow highlighted cells exceed SWPC.
GWPC = Ground water protection criteria.
RES VC = Residential volatilization criteria.
SWPC = Surface water protection criteria.
NE = Criteriion has not been established
NS = Not Sampled for Specific Analyte
ug/L = microgram per liter
NS = Not sampled for this constituent..
ug/Kg = microgram per kilogram
mg/Kg = miligram per kilogram
mg/L = miligram per Liter
(1) Current standard is 0.5 mg/l but 0.1 mg/l has been proposed



SOURCE:
2010 AERIAL ORTHOPHOTO FROM STATE OF CONNECTICUT
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION.

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SCALE:

1" = 80'

0 40 80 160 240 Feet

SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

GREENWICH HIGH SCHOOL
10 HILLSIDE ROAD
GREENWICH, CT

FIGURE 1
EXCEEDANCES OF RECOMMENDED GROUNDWATER SCREENING CRITERIA – FEBRUARY 2013

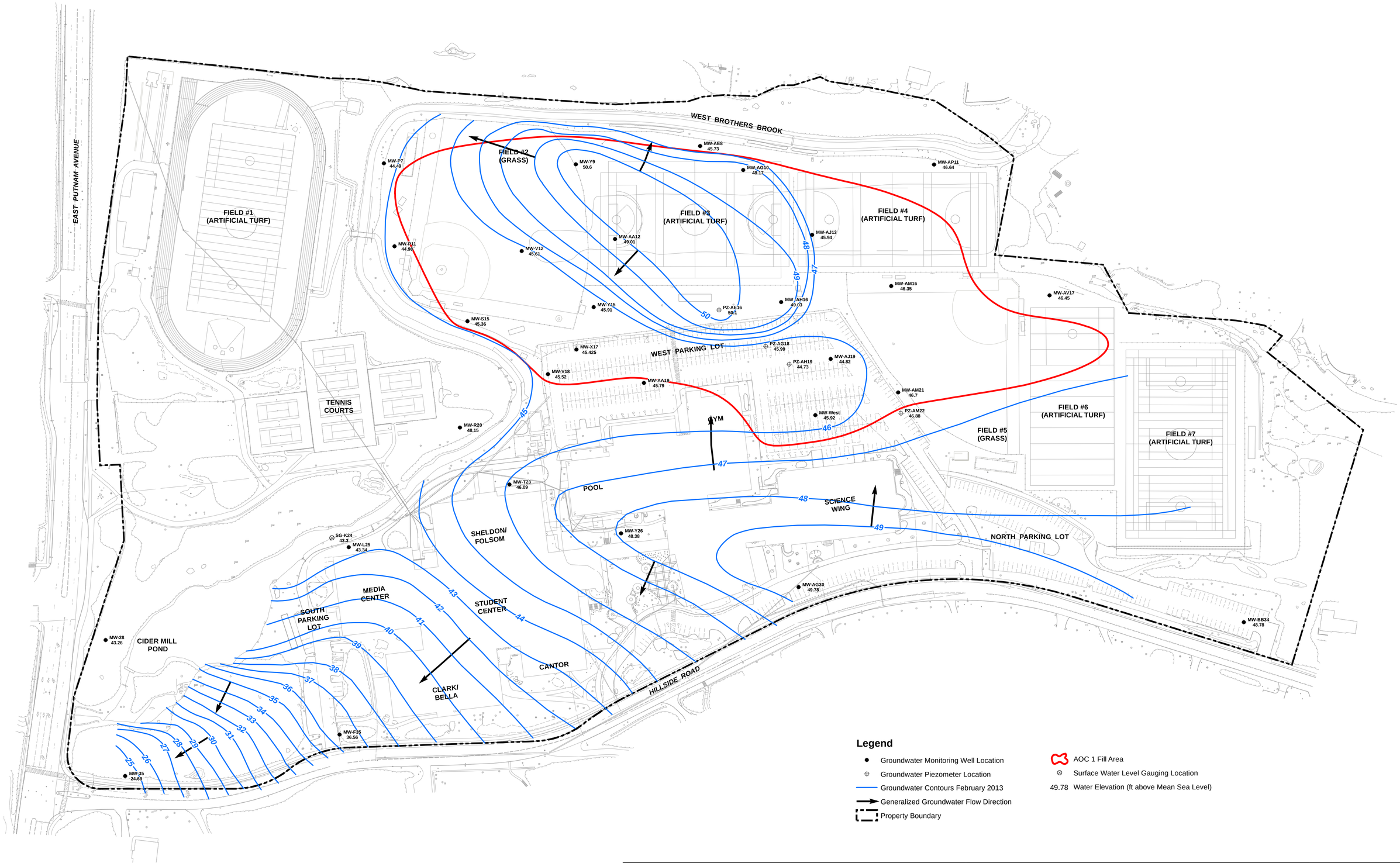
JOB 60225155

FILE NO.

CAD FILE

SHEET

Date: J:\Hist_Services\Project Files\Greenwich_High_School\GRSP\Projects\February_2013_Data\Figure_1_Exceedances_of_Recommended_GW_Screening_Criteria_February_2013.mxd



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SCALE:

1" = 80' 0 40 80 160 240 Feet
SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

GREENWICH HIGH SCHOOL
10 HILLSIDE ROAD
GREENWICH, CT

FIGURE 2
GROUNDWATER ELEVATION CONTOURS - FEBRUARY 2013

JOB 60225155
FILE NO.
CAD FILE
SHEET

Path: J:\HS_Service\Project Files\Greenwich_High_School\GIS\Projects\Groundwater_Elevation_Contours_February_2013\Figure_2_Groundwater_Elevation_Contours_February_2013.mxd

Pace Analytical e-Report

Report prepared for:
AECOM
500 ENTERPRISE DRIVE
SUITE 1 A
ROCKY HILL, CT 06067
CONTACT: MALCOLM BEELER

Project ID: CONNECTICUT SCHOOLS
Sampling Date(s): February 12, 2013, February 13, 2013
Lab Report ID: 13020131
Client Service Contact: Chelsea Farmer (518) 346-4592

Analysis Included:
PCBs by GCMS

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is respondsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Dan Pfalzer
Laboratory Director

Certifications: NYS (EPA: NY00906, ELAP: 11078), NJ (NY026), CT (PH-0337), MA(M-NY906), VA (1884)

Pace Analytical Services, Inc.| 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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Table of Contents

CASE NARRATIVE

March 06, 2013

REVISED CASE NARRATIVE

This data package (SDG ID: 13020131) consists of 16 water samples received on 2/15/2013. The samples are from Project Name: CONNECTICUT SCHOOLS.

Revised Report

The following correction has been made to the original report submitted for this sample delivery group:

(1.) Notation has been added to the case narrative regarding receipt conditions of samples.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AQ02291	MW-BB34- 021213-1	2/12/2013 08:52
AQ02292	MW-AJ19- 021213-1	2/12/2013 12:45
AQ02293	MW-AA19- 021213-1	2/12/2013 15:45
AQ02294	MW-35- 021313-1	2/13/2013 08:45
AQ02295	MW-L25- 021313-1	2/13/2013 10:50
AQ02296	MW-R20- 021313-1	2/13/2013 11:15
AQ02297	MW-F35- 021313-1	2/13/2013 10:00
AQ02298	MW-V18- 021213-1	2/12/2013 15:00
AQ02299	MW-28- 021313-1	2/13/2013 08:30
AQ02300	MW-S15- 021313-1	2/13/2013 14:20
AQ02301	MW-S15- 021313-2	2/13/2013 14:45
AQ02302	MW-P11- 021313-1	2/13/2013 16:00
AQ02303	MW-P7- 021313-1	2/13/2013 13:35
AQ02304	MW-Y26- 021213-1	2/12/2013 16:30
AQ02305	MW-X17- 021213-1	2/12/2013 14:20
AQ02306	MW-AM21- 021213-1	2/12/2013 13:20

Sample Delivery and Receipt Conditions

(1.) All samples were delivered to the laboratory via UPS delivery service on 2/15/2013.

(2.) All samples were received at the laboratory within holding times.

(3.) The following cooler temperatures were recorded at sample receipt (Control limits are between 0-6 Degrees Celsius): 2.8, 5.1, 3.8 degrees Celsius. Please see Chain of Custody for details.

(4.) 1L amber for sample 'MW-X17-021213-1' was received broken at the laboratory.
1L amber for sample 'MW-L25-021313-1' was received broken at the laboratory.
Both 1L ambers for sample 'MW-Y26-021213-1' were received broken at the laboratory.

EPA 680 Analysis

Analysis for PCBs by GCMS was performed by EPA Method 680. Samples were extracted by Continuous Liquid/Liquid Extraction (EPA - Method 3520C). The following technical and administrative items were noted for the analysis:

Note: Analysis by EPA Method 680 was not performed on sample 'MW-Y26-021213-1' (LAB ID: AQ02304). Both sample containers broke in transit to the laboratory.

(1.) Sample (LAB ID: AQ02295) was re-analyzed due to ion ratio failure for the decachloro[13c12]biphenyl surrogate. Results for the re-analysis are provided with a RR1 sample ID suffix.

(2.) The percent recovery for the TCMX surrogate was below laboratory established limits for samples (LAB ID: AQ02291B, AQ02293, AQ02302, AQ02303). The percent recovery for the alternate surrogate DCBP was within quality control limits for this sample.

(3.) The percent recovery for the TCMX and DCBP surrogates were below laboratory established limits for sample AQ02298. A low-bias may be indicated for this sample.

Respectfully submitted,

Peggy Siegfried
Project Manager

QUALIFIERS

Organic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted out. The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

P - Indicates relative percent difference (RPD) between primary and secondary GC column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary GC column analysis exceeds 25 %.

U - Denotes analyte not detected at concentration greater than or equal to the RL. RL's are adjusted for sample weight/volume and dilution factors.

Z - Chromatographic interference due to PCB co-elution.

* - Value not within control limits.

Inorganic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or digestion blank. Analyte concentration should be considered as estimated.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

U - Denotes analyte not detected at concentration greater than or equal to the RL. RL's are adjusted for sample weight/volume and dilution factors.

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<13020131P1>

130201311

Page: 1 of 2

1590145

Section A Required Client Information:

Company: AECOM
Address: 500 Enterprise Dr Rocky Hill, CT STE 1A
Email To: malcolm.beeler@aecom.com
Phone: Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: AECOM
Copy To:
Purchase Order No.:
Project Name: Greenwich High School
Project Number: 60225155

Section C Invoice Information:

Attention: Malcolm Beeler
Company Name: AECOM
Address: 500 Enterprise Dr.
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: CT

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): Analysis Test: PCB Homologs

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-BB34-021213-1	WT	G	2/12/13	0852				2	X								X		AQ02291
2	MW-AJ19-021213-1	WT	G	2/12/13	1245				2	X								X		AQ02292
3	MW-AA19-021213-1	WT	G	2/12/13	1545				2	X								X		AQ02293
4	MW-35-021313-1	WT	G	2/13/13	0845	845			2	X								X		AQ02294
5	MW-L25-021313-1	WT	G	2/13/13	1050			4	2	X								X		MS/MSD AQ02295
6	MW-R20-021313-1	WT	G	2/13/13	1115				2	X								X		AQ02296
7	MW-F35-021313-1	WT	G	2/13/13	1000				2	X								X		AQ02297
8	MW-V18-~~0213~~ 021213-1	WT	G	2/12/13	1500	2/12/13			2	X								X		AQ02298
9	MW-28-021313-1	WT	G	2/13/13	0830				2	X								X		AQ02299
10	MW-S15-021313-1	WT	G	2/13/13	1420				2	X								X		AQ02300
11	MW-S15-021313-2	WT	G	2/13/13	1445				2	X								X		AQ02301
12	MW-P11-021313-1	WT	G	2/13/13	1600				2	X								X		AQ02302

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
				UPS			2.8	Y	Y	Y
	UPS	2/15/13	9:34	Angeli Coelho	2/15/13	9:34	5.1	Y	Y	Y
							3.8	Y	Y	N
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Matthew Rood, Jordan Tomlin
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 2/13/13

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month on any invoices not paid within 30 days.

3

Pace Analytical

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

<13020131P2>

Page 2 of 2

130201312

Special Handling:
- ☑ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Malcolm Beeler AECOM
500 Enterprise Dr. Suite 1A
Rocky Hill, CT 06067

Telephone #:

Project Mgr. Malcolm Beeler

Invoice To: Malcolm Beeler

P.O. No.: 60225155 RQN:

Project No.: Greenwich High School

Site Name: 60225155

Location: CT State: CT

Sampler(s): Matthew Roal, Jordan Toulin

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 11= _____ 12= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		RCB Homology							State-specific reporting standards:
	MW-P7-021313-1	2-13-13	1335	G	WT		2				X							AQ02303
	MW-Y26-021213-1	2-12-13	1630	G	WT		2				X							AQ02304
	MW-X17-021213-1	2-12-13	1420	G	WT		2				X							AQ02305
	MW-AM21-021213-1	2-12-13	1320	G	WT		2				X							AQ02306

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: RCB Homology

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

Relinquished by:	Received by:	Date:	Time:	Temp°C
	UPS			2.8
UPS	Angeli Cowles	2/15/13	9:34	5.1
				3.8

☐ EDD Format _____
☐ E-mail to malcolm.beeler@aecom.com

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

GC/MS - 680

4

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-BB34- 021213-1
Lab Sample ID: 13020131-01 (AQ02291)

Collection Date: 02/12/2013 08:52
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-372-7	PCB by EPA Method 680 GCMS	02/25/2013 12:56	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-372-7
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-372-7
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-372-7
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-372-7
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-372-7
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-372-7
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-372-7
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-372-7
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-372-7
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-372-7
Total PCB	1336-36-3	ND		1.00	U	MS03-372-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	91.8	60.0-140		MS03-372-7
Tetrachloro-meta-xylene	877-09-8	64.9	60.0-140		MS03-372-7

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AJ19- 021213-1
Lab Sample ID: 13020131-02 (AQ02292)

Collection Date: 02/12/2013 12:45
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-372-9	PCB by EPA Method 680 GCMS	02/25/2013 14:35	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-372-9
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-372-9
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-372-9
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-372-9
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-372-9
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-372-9
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-372-9
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-372-9
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-372-9
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-372-9
Total PCB	1336-36-3	ND		1.00	U	MS03-372-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	81.5	60.0-140		MS03-372-9
Tetrachloro-meta-xylene	877-09-8	64.9	60.0-140		MS03-372-9

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AA19- 021213-1
Lab Sample ID: 13020131-03 (AQ02293)

Collection Date: 02/12/2013 15:45
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-372-10	PCB by EPA Method 680 GCMS	02/25/2013 15:24	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-372-10
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-372-10
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-372-10
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-372-10
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-372-10
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-372-10
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-372-10
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-372-10
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-372-10
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-372-10
Total PCB	1336-36-3	ND		1.00	U	MS03-372-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	85.7	60.0-140		MS03-372-10
Tetrachloro-meta-xylene	877-09-8	52.8	60.0-140	*	MS03-372-10

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-35- 021313-1
Lab Sample ID: 13020131-04 (AQ02294)

Collection Date: 02/13/2013 08:45
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-18	PCB by EPA Method 680 GCMS	02/25/2013 22:51	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-18
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-18
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-18
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-18
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-18
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-18
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-18
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-18
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-18
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-18
Total PCB	1336-36-3	ND		1.00	U	MS03-373-18

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	80.9	60.0-140		MS03-373-18
Tetrachloro-meta-xylene	877-09-8	63.4	60.0-140		MS03-373-18

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-L25- 021313-1
Lab Sample ID: 13020131-05 (AQ02295)

Collection Date: 02/13/2013 10:50
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-372-11	PCB by EPA Method 680 GCMS	02/25/2013 16:13	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-372-11
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-372-11
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-372-11
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-372-11
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-372-11
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-372-11
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-372-11
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-372-11
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-372-11
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-372-11
Total PCB	1336-36-3	ND		1.00	U	MS03-372-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	73.4	60.0-140		MS03-372-11
Tetrachloro-meta-xylene	877-09-8	64.1	60.0-140		MS03-372-11

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-R20- 021313-1
Lab Sample ID: 13020131-06 (AQ02296)

Collection Date: 02/13/2013 11:15
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-19	PCB by EPA Method 680 GCMS	02/25/2013 23:40	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-19
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-19
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-19
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-19
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-19
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-19
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-19
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-19
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-19
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-19
Total PCB	1336-36-3	ND		1.00	U	MS03-373-19

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	77.8	60.0-140		MS03-373-19
Tetrachloro-meta-xylene	877-09-8	61.1	60.0-140		MS03-373-19

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-F35- 021313-1
Lab Sample ID: 13020131-07 (AQ02297)

Collection Date: 02/13/2013 10:00
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-20	PCB by EPA Method 680 GCMS	02/26/2013 00:30	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-20
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-20
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-20
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-20
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-20
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-20
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-20
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-20
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-20
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-20
Total PCB	1336-36-3	ND		1.00	U	MS03-373-20

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	79.8	60.0-140		MS03-373-20
Tetrachloro-meta-xylene	877-09-8	68.6	60.0-140		MS03-373-20

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-V18- 021213-1
Lab Sample ID: 13020131-08 (AQ02298)

Collection Date: 02/12/2013 15:00
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-21	PCB by EPA Method 680 GCMS	02/26/2013 01:19	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-21
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-21
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-21
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-21
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-21
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-21
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-21
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-21
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-21
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-21
Total PCB	1336-36-3	ND		1.00	U	MS03-373-21

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	37.6	60.0-140	*	MS03-373-21
Tetrachloro-meta-xylene	877-09-8	31.8	60.0-140	*	MS03-373-21

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-28- 021313-1
Lab Sample ID: 13020131-09 (AQ02299)

Collection Date: 02/13/2013 08:30
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-22	PCB by EPA Method 680 GCMS	02/26/2013 02:08	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-22
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-22
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-22
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-22
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-22
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-22
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-22
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-22
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-22
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-22
Total PCB	1336-36-3	ND		1.00	U	MS03-373-22

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	84.4	60.0-140		MS03-373-22
Tetrachloro-meta-xylene	877-09-8	66.1	60.0-140		MS03-373-22

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-S15- 021313-1
Lab Sample ID: 13020131-10 (AQ02300)

Collection Date: 02/13/2013 14:20
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-23	PCB by EPA Method 680 GCMS	02/26/2013 02:58	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-23
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-23
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-23
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-23
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-23
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-23
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-23
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-23
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-23
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-23
Total PCB	1336-36-3	ND		1.00	U	MS03-373-23

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	74.4	60.0-140		MS03-373-23
Tetrachloro-meta-xylene	877-09-8	64.0	60.0-140		MS03-373-23

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-S15- 021313-2
Lab Sample ID: 13020131-11 (AQ02301)

Collection Date: 02/13/2013 14:45
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-24	PCB by EPA Method 680 GCMS	02/26/2013 03:47	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-24
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-24
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-24
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-24
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-24
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-24
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-24
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-24
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-24
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-24
Total PCB	1336-36-3	ND		1.00	U	MS03-373-24

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	78.7	60.0-140		MS03-373-24
Tetrachloro-meta-xylene	877-09-8	62.8	60.0-140		MS03-373-24

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-P11- 021313-1
Lab Sample ID: 13020131-12 (AQ02302)

Collection Date: 02/13/2013 16:00
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-25	PCB by EPA Method 680 GCMS	02/26/2013 04:37	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-25
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-25
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-25
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-25
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-25
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-25
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-25
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-25
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-25
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-25
Total PCB	1336-36-3	ND		1.00	U	MS03-373-25

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	69.0	60.0-140		MS03-373-25
Tetrachloro-meta-xylene	877-09-8	44.1	60.0-140	*	MS03-373-25

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-P7- 021313-1
Lab Sample ID: 13020131-13 (AQ02303)

Collection Date: 02/13/2013 13:35
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-26	PCB by EPA Method 680 GCMS	02/26/2013 05:26	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1000 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-26
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-26
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-26
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-26
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-26
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-26
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-26
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-26
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-26
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-26
Total PCB	1336-36-3	ND		1.00	U	MS03-373-26

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	82.9	60.0-140		MS03-373-26
Tetrachloro-meta-xylene	877-09-8	52.1	60.0-140	*	MS03-373-26

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-X17- 021213-1
Lab Sample ID: 13020131-15 (AQ02305)

Collection Date: 02/12/2013 14:20
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-27	PCB by EPA Method 680 GCMS	02/26/2013 06:15	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-27
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-27
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-27
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-27
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-27
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-27
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-27
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-27
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-27
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-27
Total PCB	1336-36-3	ND		1.00	U	MS03-373-27

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	81.4	60.0-140		MS03-373-27
Tetrachloro-meta-xylene	877-09-8	61.0	60.0-140		MS03-373-27

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AM21- 021213-1
Lab Sample ID: 13020131-16 (AQ02306)

Collection Date: 02/12/2013 13:20
Sample Matrix: WATER
Received Date: 02/15/2013 09:34
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-373-28	PCB by EPA Method 680 GCMS	02/26/2013 07:05	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-373-28
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-373-28
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-373-28
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-373-28
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-373-28
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-373-28
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-373-28
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-373-28
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-373-28
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-373-28
Total PCB	1336-36-3	ND		1.00	U	MS03-373-28

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	79.8	60.0-140		MS03-373-28
Tetrachloro-meta-xylene	877-09-8	60.1	60.0-140		MS03-373-28

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Quality Control Samples (Field)

Pace Analytical®

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Quality Control Results
Matrix Spike Sample

Job Number: 13020131

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-BB34- 021213-1 MS
Lab Sample ID: 13020131-01M (AQ02291M)

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-372-8	PCB by EPA Method 680 GCMS	02/25/2013 13:45	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	**0.301**	0.00500	1.00		MS03-372-8
Dichlorobiphenyl	25512-42-9	**0.359**	0.00500	1.00		MS03-372-8
Trichlorobiphenyl	25323-68-6	**0.386**	0.00500	1.00		MS03-372-8
Tetrachlorobiphenyl	26914-33-0	**0.770**	0.0100	1.00		MS03-372-8
Pentachlorobiphenyl	25429-29-2	**0.733**	0.0100	1.00		MS03-372-8
Hexachlorobiphenyl	26601-64-9	**0.730**	0.0100	1.00		MS03-372-8
Heptachlorobiphenyl	28655-71-2	**1.10**	0.0150	1.00		MS03-372-8
Octachlorobiphenyl	55722-26-4	**1.04**	0.0150	1.00		MS03-372-8
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-372-8
Decachlorobiphenyl	2051-24-3	**1.90**	0.0250	1.00		MS03-372-8
Total PCB	1336-36-3	**7.33**		1.00		MS03-372-8

Analyte Spiked	CAS No.	Sample (ug/L)	Added (ug/L)	MS (ug/L)	MS % Rec.	Q[1]	Limits (%)
Monochlorobiphenyl	27323-18-8		0.463	0.301	65.1		60.0-140
Dichlorobiphenyl	25512-42-9		0.463	0.359	77.6		60.0-140
Trichlorobiphenyl	25323-68-6		0.463	0.386	83.4		60.0-140
Tetrachlorobiphenyl	26914-33-0		0.926	0.770	83.2		60.0-140
Pentachlorobiphenyl	25429-29-2		0.926	0.733	79.2		60.0-140
Hexachlorobiphenyl	26601-64-9		0.926	0.730	78.9		60.0-140
Heptachlorobiphenyl	28655-71-2		1.39	1.10	79.5		60.0-140
Octachlorobiphenyl	55722-26-4		1.39	1.04	75.1		60.0-140
Decachlorobiphenyl	2051-24-3		2.31	1.90	82.3		60.0-140

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	84.2	60.0-140		MS03-372-8
Tetrachloro-meta-xylene	877-09-8	61.3	60.0-140		MS03-372-8

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

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MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Pace Analytical®

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Quality Control Results
Matrix Spike Sample

Job Number: 13020131

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-L25- 021313-1 MS
Lab Sample ID: 13020131-05M (AQ02295M)

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-375-24	PCB by EPA Method 680 GCMS	02/27/2013 05:08	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	**0.392**	0.00500	1.00		MS03-375-24
Dichlorobiphenyl	25512-42-9	**0.451**	0.00500	1.00		MS03-375-24
Trichlorobiphenyl	25323-68-6	**0.470**	0.00500	1.00		MS03-375-24
Tetrachlorobiphenyl	26914-33-0	**0.932**	0.0100	1.00		MS03-375-24
Pentachlorobiphenyl	25429-29-2	**0.918**	0.0100	1.00		MS03-375-24
Hexachlorobiphenyl	26601-64-9	**0.884**	0.0100	1.00		MS03-375-24
Heptachlorobiphenyl	28655-71-2	**1.34**	0.0150	1.00		MS03-375-24
Octachlorobiphenyl	55722-26-4	**1.31**	0.0150	1.00		MS03-375-24
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-375-24
Decachlorobiphenyl	2051-24-3	**2.31**	0.0250	1.00		MS03-375-24
Total PCB	1336-36-3	**9.00**		1.00		MS03-375-24

Analyte Spiked	CAS No.	Sample (ug/L)	Added (ug/L)	MS (ug/L)	MS % Rec.	Q[1]	Limits (%)
Monochlorobiphenyl	27323-18-8		0.463	0.392	84.6		60.0-140
Dichlorobiphenyl	25512-42-9		0.463	0.451	97.4		60.0-140
Trichlorobiphenyl	25323-68-6		0.463	0.470	102		60.0-140
Tetrachlorobiphenyl	26914-33-0		0.926	0.932	101		60.0-140
Pentachlorobiphenyl	25429-29-2		0.926	0.918	99.1		60.0-140
Hexachlorobiphenyl	26601-64-9		0.926	0.884	95.5		60.0-140
Heptachlorobiphenyl	28655-71-2		1.39	1.34	96.5		60.0-140
Octachlorobiphenyl	55722-26-4		1.39	1.31	94.1		60.0-140
Decachlorobiphenyl	2051-24-3		2.31	2.31	99.6		60.0-140

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	90.3	60.0-140		MS03-375-24
Tetrachloro-meta-xylene	877-09-8	82.4	60.0-140		MS03-375-24

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Quality Control Results
Matrix Spike Duplicate Sample
Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-L25- 021313-1 MSD
Lab Sample ID: 13020131-05K (AQ02295K)

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-372-13	PCB by EPA Method 680 GCMS	02/25/2013 17:52	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	**0.382**	0.00500	1.00		MS03-372-13
Dichlorobiphenyl	25512-42-9	**0.436**	0.00500	1.00		MS03-372-13
Trichlorobiphenyl	25323-68-6	**0.459**	0.00500	1.00		MS03-372-13
Tetrachlorobiphenyl	26914-33-0	**0.919**	0.0100	1.00		MS03-372-13
Pentachlorobiphenyl	25429-29-2	**0.872**	0.0100	1.00		MS03-372-13
Hexachlorobiphenyl	26601-64-9	**0.872**	0.0100	1.00		MS03-372-13
Heptachlorobiphenyl	28655-71-2	**1.31**	0.0150	1.00		MS03-372-13
Octachlorobiphenyl	55722-26-4	**1.26**	0.0150	1.00		MS03-372-13
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-372-13
Decachlorobiphenyl	2051-24-3	**2.28**	0.0250	1.00		MS03-372-13
Total PCB	1336-36-3	**8.80**		1.00		MS03-372-13

Analyte Spiked	CAS No.	Sample (ug/L)	Added (ug/L)	MSD (ug/L)	MSD % Rec.	Q[1]	Limits (%)	Precision: MS % Rec.	Precision: RPD	Precision: Q[1]	Precision: Limits (%)
Monochlorobiphenyl	27323-18-8		0.463	0.382	82.5		60.0-140	84.6	2.51		40
Dichlorobiphenyl	25512-42-9		0.463	0.436	94.2		60.0-140	97.4	3.34		40
Trichlorobiphenyl	25323-68-6		0.463	0.459	99.2		60.0-140	102	2.78		40
Tetrachlorobiphenyl	26914-33-0		0.926	0.919	99.3		60.0-140	101	1.70		40
Pentachlorobiphenyl	25429-29-2		0.926	0.872	94.2		60.0-140	99.1	5.07		40
Hexachlorobiphenyl	26601-64-9		0.926	0.872	94.2		60.0-140	95.5	1.37		40
Heptachlorobiphenyl	28655-71-2		1.39	1.31	94.1		60.0-140	96.5	2.52		40
Octachlorobiphenyl	55722-26-4		1.39	1.26	91.0		60.0-140	94.1	3.35		40
Decachlorobiphenyl	2051-24-3		2.31	2.28	98.7		60.0-140	99.6	0.908		40

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	99.2	60.0-140		MS03-372-13
Tetrachloro-meta-xylene	877-09-8	73.0	60.0-140		MS03-372-13

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Quality Control Samples (Lab)

6

Quality Control Results
Method Blank

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: Method Blank (AQ02291B)
Lab Sample ID: SBLK-06

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-372-5	PCB by EPA Method 680 GCMS	02/25/2013 11:17	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1000 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-372-5
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-372-5
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-372-5
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-372-5
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-372-5
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-372-5
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-372-5
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-372-5
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-372-5
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-372-5
Total PCB	1336-36-3	ND		1.00	U	MS03-372-5

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	81.8	60.0-140		MS03-372-5
Tetrachloro-meta-xylene	877-09-8	46.0	60.0-140	*	MS03-372-5

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

6

Quality Control Results
Lab Control Sample

Job Number: 13020131

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: Lab Control Sample (AQ02291L)
Lab Sample ID: LCS-06

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-372-6	PCB by EPA Method 680 GCMS	02/25/2013 12:06	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1000 mL	1.00 mL	NA

Analyte Spiked	CAS No.	Added (ug/L)	LCS (ug/L)	LCS % Rec.	Q[1]	Limits (%)
Monochlorobiphenyl	27323-18-8	0.500	0.378	75.6		60.0-140
Dichlorobiphenyl	25512-42-9	0.500	0.442	88.4		60.0-140
Trichlorobiphenyl	25323-68-6	0.500	0.482	96.4		60.0-140
Tetrachlorobiphenyl	26914-33-0	1.00	0.934	93.4		60.0-140
Pentachlorobiphenyl	25429-29-2	1.00	0.888	88.8		60.0-140
Hexachlorobiphenyl	26601-64-9	1.00	0.881	88.1		60.0-140
Heptachlorobiphenyl	28655-71-2	1.50	1.34	89.2		60.0-140
Octachlorobiphenyl	55722-26-4	1.50	1.28	85.2		60.0-140
Decachlorobiphenyl	2051-24-3	2.50	2.29	91.6		60.0-140

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	91.5	60.0-140		MS03-372-6
Tetrachloro-meta-xylene	877-09-8	67.2	60.0-140		MS03-372-6

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Pace Analytical e-Report

Report prepared for:
AECOM
500 ENTERPRISE DRIVE
SUITE 1 A
ROCKY HILL, CT 06067
CONTACT: MALCOLM BEELER

Project ID: CONNECTICUT SCHOOLS
Sampling Date(s): February 14, 2013, February 15, 2013
Lab Report ID: 13020135
Client Service Contact: Chelsea Farmer (518) 346-4592

Analysis Included:
PCBs by GCMS

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is respondsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Dan Pfalzer
Laboratory Director

Certifications: NYS (EPA: NY00906, ELAP: 11078), NJ (NY026), CT (PH-0337), MA(M-NY906), VA (1884)

Pace Analytical Services, Inc.| 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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Table of Contents

CASE NARRATIVE

March 01, 2013

CASE NARRATIVE

This data package (SDG ID: 13020135) consists of 14 water samples received on 2/18/2013. The samples are from Project Name: CONNECTICUT SCHOOLS.

This sample delivery group consists of the following samples:

1

Lab Sample ID	Client ID	Collection Date
AQ02316	MW-T23-021313-1	2/14/2013 07:30
AQ02317	MW-V12-021413-1	2/14/2013 09:00
AQ02318	MW-AE8-021413-1	2/14/2013 10:30
AQ02319	MW-Y9-021413-1	2/14/2013 11:30
AQ02320	MW-Y15-021413-1	2/14/2013 12:45
AQ02321	MW-AH16-021413-1	2/14/2013 14:00
AQ02322	MW-AJ13-021413-1	2/14/2013 12:30
AQ02323	MW-AJ13-021413-2	2/14/2013 13:20
AQ02324	MW-AG10-021413-1	2/14/2013 10:30
AQ02325	MW-AP11-021413-1	2/14/2013 15:45
AQ02326	MW-AM16-021413-1	2/14/2013 15:00
AQ02327	MW-AV17-021413-1	2/14/2013 16:20
AQ02328	MW-AA12-021513-1	2/15/2013 08:00
AQ02329	MW-AG30-021513-1	2/15/2013 09:30

Sample Delivery and Receipt Conditions

(1.) All samples were delivered to the laboratory via UPS delivery service on 2/18/2013.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperatures were recorded at sample receipt (Control limits are between 0-6 Degrees Celsius): 0.6, 0.5 degrees Celsius. Please see Chain of Custody for details.

EPA 680 Analysis

Analysis for PCBs by GCMS was performed by EPA Method 680. Samples were extracted by Continuous Liquid/Liquid Extraction (EPA - Method 3520C). The following technical and administrative items were noted for the analysis:

(1.) The percent recovery for the TCMX surrogate was below laboratory established limits for samples (LAB ID: AQ02317B, AQ02317, AQ02318, AQ02321, AQ02325). The percent recovery for the alternate surrogate DCBP was within quality control limits for this sample.

(2.) The percent recovery for the TCMX and DCBP surrogates were below laboratory established limits for samples (LAB ID: AQ02316 and AQ02329). A low-bias may be indicated for these samples.

Respectfully submitted,

S:\Lims Data\1302\13020135\Package\CN_13020135_Rev00.doc

Peggy Siegfried
Project Manager

1

S:\Lims Data\1302\13020135\Package\CN_13020135_Rev00.doc

QUALIFIERS

Organic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted out. The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

P - Indicates relative percent difference (RPD) between primary and secondary GC column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary GC column analysis exceeds 25 %.

U - Denotes analyte not detected at concentration greater than or equal to the RL. RL's are adjusted for sample weight/volume and dilution factors.

Z - Chromatographic interference due to PCB co-elution.

* - Value not within control limits.

Inorganic Laboratory Qualifiers Defined

B - Denotes analyte observed in associated method blank or digestion blank. Analyte concentration should be considered as estimated.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Reporting Limit (RL).

U - Denotes analyte not detected at concentration greater than or equal to the RL. RL's are adjusted for sample weight/volume and dilution factors.

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<13020135P1>

130201351

Page: of

1590146

Section A Required Client Information:

Company: AEcom
Address: 500 Enterprise Drive, Rocky Hill CT
Email To: Malcolm.bader@aecom.com
Phone: 860 263 5800 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Malcolm Bader
Copy To:
Purchase Order No.:
Project Name: Greenwich High School
Project Number: 60225155

Section C Invoice Information:

Attention: Malcolm Bader
Company Name: AEcom
Address: Same
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: CT

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): Analysis Test: PCB homologs (8082)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-T23-021413-1	WT	G			2/14/13	0730		1	X								X		AQ02316
2	MW-V12-021413-1	WT	G			2/14/13	0900		2	X								X		AQ02317
3	MW-AE8-021413-1	WT	G			2/14/13	1030		2	X								X		AQ02318
4	MW-Y9-021413-1	WT	G			2/14/13	1130		2	X								X		AQ02319
5	MW-Y15-021413-1	WT	G			2/14/13	1245		2	X								X		AQ02320
6	MW-AH16-021413-1	WT	G			2/14/13	1400		2	X								X		AQ02321
7	MW-AJ13-021413-1	WT	G			2/14/13	1230		2	X								X		AQ02322
8	MW-AJ13-021413-2	WT	G			2/14/13	1320		2	X								X		AQ02323
9	MW-AG10-021413-1	WT	G			2/14/13	1030		2	X								X		AQ02324
10	MW-AP11-021413-1	WT	G			2/14/13	1545		2	X								X		AQ02325
11	MW-AM16-021413-1	WT	G			2/14/13	1560		2	X								X		AQ02326
12	MW-AV17-021413-1	WT	G			2/14/13	1620		2	X								X		AQ02327

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	2/15/13	1100	VIA UPS						
	VIA UPS			[signature] PACE	2/18/13	09:32	0.6	Y	Y	Y
							0.5	Y	Y	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matthew Rood

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 2/15/2013

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

<13020135P2>

130201352

Page: of

1590148

Section A Required Client Information:

Company: AECOM
Address: 500 Enterprise Drive, Rocky Hill, CT
Email To: malcolm.beeler@aecom.com
Phone: 860 263 5800 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Malcolm Beeler
Copy To:
Purchase Order No.:
Project Name: Greenwich High School
Project Number: 60225155

Section C Invoice Information:

Attention: Malcolm Beeler
Company Name: AECOM
Address: Same.
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: CT

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): PCB homologs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW - AA12 - 021513 - 1	WT	G			2/15/13	0800		1	X								X		AQ02328
2	MW - AG30 - 021513 - 1	WT	G			2/15/13	0930		2	X								X		AQ02329
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

will run dry - no recovery - limited sample volume

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	2/15/13	1100	VIA VPS			0.6	Y	Y	Y
	VIA VPS			[signature] / PACE	2/18/13	09:32	0.5	Y	Y	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matthew Reed

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/15/13

ORIGINAL

3

GC/MS - 680

4

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-T23-021313-1
Lab Sample ID: 13020135-01 (AQ02316)

Collection Date: 02/14/2013 07:30
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-374-7	PCB by EPA Method 680 GCMS	02/26/2013 13:27	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 11:15	OCD	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-374-7
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-374-7
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-374-7
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-374-7
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-374-7
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-374-7
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-374-7
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-374-7
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-374-7
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-374-7
Total PCB	1336-36-3	ND		1.00	U	MS03-374-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	53.8	60.0-140	*	MS03-374-7
Tetrachloro-meta-xylene	877-09-8	49.1	60.0-140	*	MS03-374-7

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-V12-021413-1
Lab Sample ID: 13020135-02 (AQ02317)

Collection Date: 02/14/2013 09:00
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-374-6	PCB by EPA Method 680 GCMS	02/26/2013 12:37	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	990 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-374-6
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-374-6
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-374-6
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-374-6
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-374-6
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-374-6
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-374-6
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-374-6
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-374-6
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-374-6
Total PCB	1336-36-3	ND		1.00	U	MS03-374-6

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	78.1	60.0-140		MS03-374-6
Tetrachloro-meta-xylene	877-09-8	41.7	60.0-140	*	MS03-374-6

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AE8-021413-1
Lab Sample ID: 13020135-03 (AQ02318)

Collection Date: 02/14/2013 10:30
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-374-8	PCB by EPA Method 680 GCMS	02/26/2013 14:16	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1000 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-374-8
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-374-8
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-374-8
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-374-8
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-374-8
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-374-8
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-374-8
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-374-8
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-374-8
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-374-8
Total PCB	1336-36-3	ND		1.00	U	MS03-374-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	61.1	60.0-140		MS03-374-8
Tetrachloro-meta-xylene	877-09-8	53.8	60.0-140	*	MS03-374-8

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-Y9-021413-1
Lab Sample ID: 13020135-04 (AQ02319)

Collection Date: 02/14/2013 11:30
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-374-9	PCB by EPA Method 680 GCMS	02/26/2013 15:05	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	990 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00505	1.00	U	MS03-374-9
Dichlorobiphenyl	25512-42-9	ND	0.00505	1.00	U	MS03-374-9
Trichlorobiphenyl	25323-68-6	ND	0.00505	1.00	U	MS03-374-9
Tetrachlorobiphenyl	26914-33-0	ND	0.0101	1.00	U	MS03-374-9
Pentachlorobiphenyl	25429-29-2	ND	0.0101	1.00	U	MS03-374-9
Hexachlorobiphenyl	26601-64-9	ND	0.0101	1.00	U	MS03-374-9
Heptachlorobiphenyl	28655-71-2	ND	0.0152	1.00	U	MS03-374-9
Octachlorobiphenyl	55722-26-4	ND	0.0152	1.00	U	MS03-374-9
Nonachlorobiphenyl	53742-07-7	ND	0.0253	1.00	U	MS03-374-9
Decachlorobiphenyl	2051-24-3	ND	0.0253	1.00	U	MS03-374-9
Total PCB	1336-36-3	ND		1.00	U	MS03-374-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	79.5	60.0-140		MS03-374-9
Tetrachloro-meta-xylene	877-09-8	60.7	60.0-140		MS03-374-9

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

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MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-Y15-021413-1
Lab Sample ID: 13020135-05 (AQ02320)

Collection Date: 02/14/2013 12:45
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-374-10	PCB by EPA Method 680 GCMS	02/26/2013 15:55	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1000 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	**1.69**	0.00500	1.00		MS03-374-10
Dichlorobiphenyl	25512-42-9	**2.47**	0.00500	1.00		MS03-374-10
Trichlorobiphenyl	25323-68-6	**0.468**	0.00500	1.00		MS03-374-10
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-374-10
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-374-10
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-374-10
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-374-10
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-374-10
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-374-10
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-374-10
Total PCB	1336-36-3	**4.63**		1.00		MS03-374-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	85.2	60.0-140		MS03-374-10
Tetrachloro-meta-xylene	877-09-8	62.3	60.0-140		MS03-374-10

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ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

4

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AH16-021413-1
Lab Sample ID: 13020135-06 (AQ02321)

Collection Date: 02/14/2013 14:00
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-376-7	PCB by EPA Method 680 GCMS	02/27/2013 17:34	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1000 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	**33.9**	0.0500	10.0		MS03-376-7
Dichlorobiphenyl	25512-42-9	**41.3**	0.0500	10.0		MS03-376-7
Trichlorobiphenyl	25323-68-6	**8.57**	0.0500	10.0		MS03-376-7
Tetrachlorobiphenyl	26914-33-0	ND	0.100	10.0	U	MS03-376-7
Pentachlorobiphenyl	25429-29-2	ND	0.100	10.0	U	MS03-376-7
Hexachlorobiphenyl	26601-64-9	ND	0.100	10.0	U	MS03-376-7
Heptachlorobiphenyl	28655-71-2	ND	0.150	10.0	U	MS03-376-7
Octachlorobiphenyl	55722-26-4	ND	0.150	10.0	U	MS03-376-7
Nonachlorobiphenyl	53742-07-7	ND	0.250	10.0	U	MS03-376-7
Decachlorobiphenyl	2051-24-3	ND	0.250	10.0	U	MS03-376-7
Total PCB	1336-36-3	**83.8**		10.0		MS03-376-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	99.7	60.0-140		MS03-376-7
Tetrachloro-meta-xylene	877-09-8	0.00	60.0-140	*	MS03-376-7

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

4

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AJ13-021413-1
Lab Sample ID: 13020135-07 (AQ02322)

Collection Date: 02/14/2013 12:30
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-374-12	PCB by EPA Method 680 GCMS	02/26/2013 17:33	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	**0.153**	0.00500	1.00		MS03-374-12
Dichlorobiphenyl	25512-42-9	**3.32**	0.00500	1.00		MS03-374-12
Trichlorobiphenyl	25323-68-6	**3.12**	0.00500	1.00		MS03-374-12
Tetrachlorobiphenyl	26914-33-0	**0.493**	0.0100	1.00		MS03-374-12
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-374-12
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-374-12
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-374-12
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-374-12
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-374-12
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-374-12
Total PCB	1336-36-3	**7.09**		1.00		MS03-374-12

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	81.0	60.0-140		MS03-374-12
Tetrachloro-meta-xylene	877-09-8	74.8	60.0-140		MS03-374-12

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

4

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AJ13-021413-2
Lab Sample ID: 13020135-08 (AQ02323)

Collection Date: 02/14/2013 13:20
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-374-13	PCB by EPA Method 680 GCMS	02/26/2013 18:23	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	**0.114**	0.00500	1.00		MS03-374-13
Dichlorobiphenyl	25512-42-9	**3.21**	0.00500	1.00		MS03-374-13
Trichlorobiphenyl	25323-68-6	**2.90**	0.00500	1.00		MS03-374-13
Tetrachlorobiphenyl	26914-33-0	**0.307**	0.0100	1.00		MS03-374-13
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-374-13
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-374-13
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-374-13
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-374-13
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-374-13
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-374-13
Total PCB	1336-36-3	**6.54**		1.00		MS03-374-13

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	69.0	60.0-140		MS03-374-13
Tetrachloro-meta-xylene	877-09-8	63.8	60.0-140		MS03-374-13

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

4

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AG10-021413-1
Lab Sample ID: 13020135-09 (AQ02324)

Collection Date: 02/14/2013 10:30
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-374-14	PCB by EPA Method 680 GCMS	02/26/2013 19:12	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-374-14
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-374-14
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-374-14
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-374-14
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-374-14
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-374-14
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-374-14
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-374-14
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-374-14
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-374-14
Total PCB	1336-36-3	ND		1.00	U	MS03-374-14

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	75.7	60.0-140		MS03-374-14
Tetrachloro-meta-xylene	877-09-8	75.1	60.0-140		MS03-374-14

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

4

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AP11-021413-1
Lab Sample ID: 13020135-10 (AQ02325)

Collection Date: 02/14/2013 15:45
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-375-19	PCB by EPA Method 680 GCMS	02/27/2013 01:01	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1020 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-375-19
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-375-19
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-375-19
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-375-19
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-375-19
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-375-19
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-375-19
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-375-19
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-375-19
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-375-19
Total PCB	1336-36-3	ND		1.00	U	MS03-375-19

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	99.3	60.0-140		MS03-375-19
Tetrachloro-meta-xylene	877-09-8	58.1	60.0-140	*	MS03-375-19

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AM16-021413-1
Lab Sample ID: 13020135-11 (AQ02326)

Collection Date: 02/14/2013 15:00
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-375-20	PCB by EPA Method 680 GCMS	02/27/2013 01:50	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-375-20
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-375-20
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-375-20
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-375-20
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-375-20
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-375-20
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-375-20
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-375-20
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-375-20
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-375-20
Total PCB	1336-36-3	ND		1.00	U	MS03-375-20

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	74.7	60.0-140		MS03-375-20
Tetrachloro-meta-xylene	877-09-8	68.3	60.0-140		MS03-375-20

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AV17-021413-1
Lab Sample ID: 13020135-12 (AQ02327)

Collection Date: 02/14/2013 16:20
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-375-21	PCB by EPA Method 680 GCMS	02/27/2013 02:39	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-375-21
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-375-21
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-375-21
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-375-21
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-375-21
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-375-21
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-375-21
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-375-21
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-375-21
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-375-21
Total PCB	1336-36-3	ND		1.00	U	MS03-375-21

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	78.2	60.0-140		MS03-375-21
Tetrachloro-meta-xylene	877-09-8	66.5	60.0-140		MS03-375-21

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AA12-021513-1
Lab Sample ID: 13020135-13 (AQ02328)

Collection Date: 02/15/2013 08:00
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-375-22	PCB by EPA Method 680 GCMS	02/27/2013 03:29	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	660 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	**0.144**	0.00758	1.00		MS03-375-22
Dichlorobiphenyl	25512-42-9	**1.47**	0.00758	1.00		MS03-375-22
Trichlorobiphenyl	25323-68-6	**0.478**	0.00758	1.00		MS03-375-22
Tetrachlorobiphenyl	26914-33-0	ND	0.0152	1.00	U	MS03-375-22
Pentachlorobiphenyl	25429-29-2	ND	0.0152	1.00	U	MS03-375-22
Hexachlorobiphenyl	26601-64-9	ND	0.0152	1.00	U	MS03-375-22
Heptachlorobiphenyl	28655-71-2	ND	0.0227	1.00	U	MS03-375-22
Octachlorobiphenyl	55722-26-4	ND	0.0227	1.00	U	MS03-375-22
Nonachlorobiphenyl	53742-07-7	ND	0.0379	1.00	U	MS03-375-22
Decachlorobiphenyl	2051-24-3	ND	0.0379	1.00	U	MS03-375-22
Total PCB	1336-36-3	**2.09**		1.00		MS03-375-22

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	67.9	60.0-140		MS03-375-22
Tetrachloro-meta-xylene	877-09-8	62.9	60.0-140		MS03-375-22

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Analytical Sample Results

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: MW-AG30-021513-1
Lab Sample ID: 13020135-14 (AQ02329)

Collection Date: 02/15/2013 09:30
Sample Matrix: WATER
Received Date: 02/18/2013 09:32
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-375-23	PCB by EPA Method 680 GCMS	02/27/2013 04:18	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1080 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-375-23
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-375-23
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-375-23
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-375-23
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-375-23
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-375-23
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-375-23
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-375-23
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-375-23
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-375-23
Total PCB	1336-36-3	ND		1.00	U	MS03-375-23

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	9.25	60.0-140	*	MS03-375-23
Tetrachloro-meta-xylene	877-09-8	0.00	60.0-140	*	MS03-375-23

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

4

Quality Control Samples (Lab)

5

Quality Control Results
Method Blank

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: Method Blank (AQ02291B)
Lab Sample ID: SBLK-06

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-372-5	PCB by EPA Method 680 GCMS	02/25/2013 11:17	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1000 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-372-5
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-372-5
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-372-5
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-372-5
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-372-5
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-372-5
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-372-5
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-372-5
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-372-5
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-372-5
Total PCB	1336-36-3	ND		1.00	U	MS03-372-5

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	81.8	60.0-140		MS03-372-5
Tetrachloro-meta-xylene	877-09-8	46.0	60.0-140	*	MS03-372-5

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

5

Quality Control Results
Lab Control Sample
Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: Lab Control Sample (AQ02291L)
Lab Sample ID: LCS-06

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-372-6	PCB by EPA Method 680 GCMS	02/25/2013 12:06	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21446	EPA 3520C	02/19/2013 08:45	OCD	1000 mL	1.00 mL	NA

Analyte Spiked	CAS No.	Added (ug/L)	LCS (ug/L)	LCS % Rec.	Q[1]	Limits (%)
Monochlorobiphenyl	27323-18-8	0.500	0.378	75.6		60.0-140
Dichlorobiphenyl	25512-42-9	0.500	0.442	88.4		60.0-140
Trichlorobiphenyl	25323-68-6	0.500	0.482	96.4		60.0-140
Tetrachlorobiphenyl	26914-33-0	1.00	0.934	93.4		60.0-140
Pentachlorobiphenyl	25429-29-2	1.00	0.888	88.8		60.0-140
Hexachlorobiphenyl	26601-64-9	1.00	0.881	88.1		60.0-140
Heptachlorobiphenyl	28655-71-2	1.50	1.34	89.2		60.0-140
Octachlorobiphenyl	55722-26-4	1.50	1.28	85.2		60.0-140
Decachlorobiphenyl	2051-24-3	2.50	2.29	91.6		60.0-140

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	91.5	60.0-140		MS03-372-6
Tetrachloro-meta-xylene	877-09-8	67.2	60.0-140		MS03-372-6

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Quality Control Results
Method Blank

Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: Method Blank (AQ02317B)
Lab Sample ID: SBLK-08

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-374-4	PCB by EPA Method 680 GCMS	02/26/2013 10:59	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1000 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	MDL	Dilution Factor	Flags	File ID
Monochlorobiphenyl	27323-18-8	ND	0.00500	1.00	U	MS03-374-4
Dichlorobiphenyl	25512-42-9	ND	0.00500	1.00	U	MS03-374-4
Trichlorobiphenyl	25323-68-6	ND	0.00500	1.00	U	MS03-374-4
Tetrachlorobiphenyl	26914-33-0	ND	0.0100	1.00	U	MS03-374-4
Pentachlorobiphenyl	25429-29-2	ND	0.0100	1.00	U	MS03-374-4
Hexachlorobiphenyl	26601-64-9	ND	0.0100	1.00	U	MS03-374-4
Heptachlorobiphenyl	28655-71-2	ND	0.0150	1.00	U	MS03-374-4
Octachlorobiphenyl	55722-26-4	ND	0.0150	1.00	U	MS03-374-4
Nonachlorobiphenyl	53742-07-7	ND	0.0250	1.00	U	MS03-374-4
Decachlorobiphenyl	2051-24-3	ND	0.0250	1.00	U	MS03-374-4
Total PCB	1336-36-3	ND		1.00	U	MS03-374-4

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	81.8	60.0-140		MS03-374-4
Tetrachloro-meta-xylene	877-09-8	46.0	60.0-140	*	MS03-374-4

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

5

Quality Control Results
Lab Control Sample
Job Number: 13020135

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: AECOM
Project: CONNECTICUT SCHOOLS
Client Sample ID: Lab Control Sample (AQ02317L)
Lab Sample ID: LCS-08

Collection Date: N/A
Sample Matrix: WATER
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS03-374-5	PCB by EPA Method 680 GCMS	02/26/2013 11:48	RMS	NA	NA	Agilent, J&W DB-XLB, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	21461	EPA 3520C	02/21/2013 09:15	EPC	1000 mL	1.00 mL	NA

Analyte Spiked	CAS No.	Added (ug/L)	LCS (ug/L)	LCS % Rec.	Q[1]	Limits (%)
Monochlorobiphenyl	27323-18-8	0.500	0.378	75.6		60.0-140
Dichlorobiphenyl	25512-42-9	0.500	0.442	88.4		60.0-140
Trichlorobiphenyl	25323-68-6	0.500	0.482	96.4		60.0-140
Tetrachlorobiphenyl	26914-33-0	1.00	0.934	93.4		60.0-140
Pentachlorobiphenyl	25429-29-2	1.00	0.888	88.8		60.0-140
Hexachlorobiphenyl	26601-64-9	1.00	0.881	88.1		60.0-140
Heptachlorobiphenyl	28655-71-2	1.50	1.34	89.2		60.0-140
Octachlorobiphenyl	55722-26-4	1.50	1.28	85.2		60.0-140
Decachlorobiphenyl	2051-24-3	2.50	2.29	91.6		60.0-140

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Decachloro[13C12]biphenyl	105600-27-9	91.5	60.0-140		MS03-374-5
Tetrachloro-meta-xylene	877-09-8	67.2	60.0-140		MS03-374-5

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

Report Date:
20-Feb-13 16:30

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

AECOM Environment
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067
Attn: Malcolm Beeler

Project: Greenwich HS - Greenwich, CT
Project #: 60225155

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB64419-01	MW-BB34-021213-1	Ground Water	12-Feb-13 08:52	12-Feb-13 17:25
SB64419-02	MW-AJ19-021213-1	Ground Water	12-Feb-13 12:45	12-Feb-13 17:25
SB64419-03	MW-AM21-021213-1	Ground Water	12-Feb-13 13:20	12-Feb-13 17:25
SB64419-04	MW-X17-021213-1	Ground Water	12-Feb-13 14:20	12-Feb-13 17:25
SB64419-05	Trip Blank	Aqueous	12-Feb-13 00:00	12-Feb-13 17:25
SB64419-06	MW-V18-021213-1	Ground Water	12-Feb-13 15:00	12-Feb-13 17:25

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 60 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: AECOM Environment - Rocky Hill, CT

Project Location: Greenwich HS - Greenwich, CT

Project Number: 60225155

Sampling Date(s):
2/12/2013

Laboratory Sample ID(s):
SB64419-01 through SB64419-06

RCP Methods Used:

CT ETPH
EPA 245.1/7470A
SW846 6010C
SW846 8260C
SW846 8270D SIM

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	✓ Yes ✓ Yes	No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes	✓ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 2/20/2013

CASE NARRATIVE:

The samples were received 0.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult.

Due to possible microbial action or loss or gain of gases when the sample is exposed to air, the sampling recommendation for alkalinity or acidity suggests a separate bottle filled completely and capped tightly. When possible, testing for alkalinity or acidity is performed as soon as possible from the designated unopened, full container.

Effective 8/8/2012, the reporting limit for CT ETPH has been raised as proposed by the CT DEP from 0.100 mg/L to 0.200 mg/L for aqueous samples. This Reporting Limit is still lower than the CT DEP proposed Reporting Limit of 0.250 mg/L.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 300.0

Spikes:

1303538-MS2 *Source: SB64419-01*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Sulfate as SO4

1303538-MSD2 *Source: SB64419-01*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Nitrite as N
Sulfate as SO4

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Chloride

Samples:

SB64419-01 *MW-BB34-021213-1*

EPA 300.0

Samples:

SB64419-01 *MW-BB34-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride
Sulfate as SO4

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N

SB64419-02 *MW-AJ19-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N
Sulfate as SO4

SB64419-03 *MW-AM21-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride
Sulfate as SO4

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N

SB64419-04 *MW-X17-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride
Sulfate as SO4

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N

SB64419-06 *MW-V18-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N
Sulfate as SO4

SW846 6010C

Spikes:

1303590-MS1 *Source: SB64419-01*

SW846 6010C

Spikes:

1303590-MS1 *Source: SB64419-01*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Calcium
Magnesium
Sodium

1303590-MSD1 *Source: SB64419-01*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Calcium
Magnesium
Sodium

1303590-PS1 *Source: SB64419-01*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Calcium
Magnesium
Sodium

Duplicates:

1303590-DUP1 *Source: SB64419-01*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Magnesium

Samples:

SB64419-01 *MW-BB34-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Magnesium

SB64419-02 *MW-AJ19-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sodium

SB64419-03 *MW-AM21-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sodium

SB64419-04 *MW-X17-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sodium

SB64419-06 *MW-V18-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Calcium
Magnesium
Sodium

SW846 8260C

Calibration:

1301050

Analyte quantified by quadratic equation type calibration.

1,1,2,2-Tetrachloroethane
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromo-3-chloropropane
1,3,5-Trichlorobenzene
1,3,5-Trimethylbenzene
Bromoform
Carbon tetrachloride
cis-1,3-Dichloropropene
Dibromochloromethane
Naphthalene
n-Butylbenzene
sec-Butylbenzene
Styrene
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene
Vinyl chloride

This affected the following samples:

1303697-BLK1
1303697-BS1
1303697-BSD1
MW-AM21-021213-1
MW-V18-021213-1
MW-X17-021213-1
S300912-ICV1
S301717-CCV1

1302017

Analyte quantified by quadratic equation type calibration.

Naphthalene
trans-1,4-Dichloro-2-butene
Vinyl chloride

This affected the following samples:

1303587-BLK1
1303587-BS1
1303587-BSD1
1303587-MS1
1303587-MSD1
MW-AJ19-021213-1
MW-BB34-021213-1
S301444-ICV1
S301670-CCV1
Trip Blank

S301444-ICV1

Analyte percent recovery is outside individual acceptance criteria.

Dichlorodifluoromethane (Freon12) (74%)
Tetrahydrofuran (122%)
Vinyl chloride (71%)

SW846 8260C

Calibration:

S301444-ICV1

This affected the following samples:

1303587-BLK1
1303587-BS1
1303587-BSD1
1303587-MS1
1303587-MSD1
MW-AJ19-021213-1
MW-BB34-021213-1
S301670-CCV1
Trip Blank

Laboratory Control Samples:

1303587 BSD

2-Hexanone (MBK) RPD 21% (20%) is outside individual acceptance criteria.

1303697 BS/BSD

Carbon disulfide percent recoveries (67/78) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-AM21-021213-1
MW-V18-021213-1
MW-X17-021213-1

Chloromethane percent recoveries (68/74) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-AM21-021213-1
MW-V18-021213-1
MW-X17-021213-1

Dichlorodifluoromethane (Freon12) percent recoveries (63/78) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-AM21-021213-1
MW-V18-021213-1
MW-X17-021213-1

Vinyl chloride percent recoveries (61/73) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-AM21-021213-1
MW-V18-021213-1
MW-X17-021213-1

1303697 BSD

Dichlorodifluoromethane (Freon12) RPD 21% (20%) is outside individual acceptance criteria.

Samples:

S301670-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-22.5%)
2-Hexanone (MBK) (-23.2%)
trans-1,4-Dichloro-2-butene (-25.8%)
Vinyl chloride (-28.8%)

SW846 8260C

Samples:

S301670-CCV1

This affected the following samples:

1303587-BLK1
1303587-BS1
1303587-BSD1
1303587-MS1
1303587-MSD1
MW-AJ19-021213-1
MW-BB34-021213-1
Trip Blank

S301717-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (-25.2%)
Carbon disulfide (-29.0%)
Chloroethane (-25.6%)
Chloromethane (-26.6%)
Dichlorodifluoromethane (Freon12) (-32.1%)
Tert-Butanol / butyl alcohol (-23.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Naphthalene (-26.8%)
Tert-amyl methyl ether (-21.1%)
Vinyl chloride (-36.3%)

This affected the following samples:

1303697-BLK1
1303697-BS1
1303697-BSD1
MW-AM21-021213-1
MW-V18-021213-1
MW-X17-021213-1

SW846 8270D SIM

Calibration:

1301043

Analyte quantified by quadratic equation type calibration.

Benzo (a) pyrene
Benzo (g,h,i) perylene
Dibenzo (a,h) anthracene
Indeno (1,2,3-cd) pyrene

SW846 8270D SIM

Calibration:

1301043

This affected the following samples:

1303714-BLK1
1303714-BS1
1303714-MS1
1303714-MSD1
MW-AJ19-021213-1
MW-AM21-021213-1
MW-BB34-021213-1
MW-V18-021213-1
MW-X17-021213-1
S300782-ICV1
S301814-CCV1

Spikes:

1303714-MS1 *Source: SB64419-01*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Terphenyl-dl4

Samples:

S301814-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Dibenzo (a,h) anthracene (21.6%)
Indeno (1,2,3-cd) pyrene (23.4%)

This affected the following samples:

1303714-BLK1
1303714-BS1
1303714-MS1
1303714-MSD1
MW-AJ19-021213-1
MW-AM21-021213-1
MW-BB34-021213-1
MW-V18-021213-1
MW-X17-021213-1

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-BB34-021213-1	60225155	Ground Water	12-Feb-13 08:52	12-Feb-13
SB64419-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	13-Feb-13	13-Feb-13	JEG	1303587	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-BB34-021213-1 SB64419-01	60225155	Ground Water	12-Feb-13 08:52	12-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	13-Feb-13	13-Feb-13	JEG	1303587	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	**2.45**		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	**2.68**		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-BB34-021213-1	60225155	Ground Water	12-Feb-13 08:52	12-Feb-13
SB64419-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	14-Feb-13	15-Feb-13	ML/	1303714	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	13-Feb-13	15-Feb-13	SEP	1303559	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*91*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BJW	1303521	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	13-Feb-13	16-Feb-13	Ir/ar	1303590	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.610**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-BB34-021213-1	60225155	Ground Water	12-Feb-13 08:52	12-Feb-13
SB64419-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	13-Feb-13	16-Feb-13	Ir/ar	1303590	X
7440-70-2	Calcium	**249**		mg/l	0.100	0.0303	1	"	"	19-Feb-13	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	16-Feb-13	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**0.448**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**12.9**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**107**	D, GS1	mg/l	0.0500	0.0095	5	"	"	19-Feb-13	"	"	X
7439-96-5	Manganese	**1.80**		mg/l	0.0020	0.0016	1	"	"	16-Feb-13	"	"	X
7440-23-5	Sodium	**224**		mg/l	0.250	0.0718	1	"	"	19-Feb-13	"	"	X
7440-02-0	Nickel	**0.0122**		mg/l	0.0050	0.0005	1	"	"	16-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0100**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	14-Feb-13	19-Feb-13	JLM	1303591	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 11:07	13-Feb-13 11:07	CAA	1303603	
	Bicarbonate Alkalinity	**88.7**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**1,160**	D, GS1	mg/l	50.0	22.4	50	EPA 300.0	13-Feb-13	13-Feb-13	KK	1303538	X
14797-55-8	Nitrate as N	< 5.00	D, R01	mg/l	5.00	1.81	50	"	13-Feb-13 13:50	13-Feb-13 17:49	"	"	X
14797-65-0	Nitrite as N	< 5.00	D, R01	mg/l	5.00	2.83	50	"	13-Feb-13 13:50	13-Feb-13 17:49	"	"	X
14808-79-8	Sulfate as SO4	**78.5**	D, GS1	mg/l	50.0	31.0	50	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	13-Feb-13	13-Feb-13 12:24	TDD/C	1303617	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ19-021213-1	60225155	Ground Water	12-Feb-13 12:45	12-Feb-13
SB64419-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	13-Feb-13	13-Feb-13	JEG	1303587	X
67-64-1	Acetone	**27.9**		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ19-021213-1	60225155	Ground Water	12-Feb-13 12:45	12-Feb-13
SB64419-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	13-Feb-13	13-Feb-13	JEG	1303587	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	**1.41**		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ19-021213-1 SB64419-02	60225155	Ground Water	12-Feb-13 12:45	12-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	14-Feb-13	15-Feb-13	ML/	1303714	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*56*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	13-Feb-13	15-Feb-13	SEP	1303559	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*58*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BJW	1303521	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	13-Feb-13	16-Feb-13	Ir/ar	1303590	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.720**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ19-021213-1 SB64419-02	60225155	Ground Water	12-Feb-13 12:45	12-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	13-Feb-13	16-Feb-13	Ir/ar	1303590	X
7440-70-2	Calcium	**160**		mg/l	0.100	0.0303	1	"	"	19-Feb-13	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	16-Feb-13	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**24.9**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**13.4**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**21.8**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**2.08**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**986**	D, GS1	mg/l	1.25	0.359	5	"	"	19-Feb-13	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	16-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0094**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	14-Feb-13	19-Feb-13	JLM	1303591	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 11:07	13-Feb-13 11:07	CAA	1303603	
	Bicarbonate Alkalinity	**148**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**1,970**	D, GS1	mg/l	50.0	22.4	50	EPA 300.0	14-Feb-13	14-Feb-13	KK	1303739	X
14797-55-8	Nitrate as N	< 2.00	D, R01	mg/l	2.00	0.726	20	"	13-Feb-13 13:50	13-Feb-13 19:51	"	1303538	X
14797-65-0	Nitrite as N	< 2.00	D, R01	mg/l	2.00	1.13	20	"	13-Feb-13 13:50	13-Feb-13 19:51	"	"	X
14808-79-8	Sulfate as SO4	**29.2**	D, R01	mg/l	20.0	12.4	20	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	13-Feb-13	13-Feb-13 12:26	TDD/C	1303617	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AM21-021213-1	60225155	Ground Water	12-Feb-13 13:20	12-Feb-13
SB64419-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AM21-021213-1	60225155	Ground Water	12-Feb-13 13:20	12-Feb-13
SB64419-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AM21-021213-1	60225155	Ground Water	12-Feb-13 13:20	12-Feb-13
SB64419-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	14-Feb-13	15-Feb-13	ML/	1303714	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*60*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	13-Feb-13	15-Feb-13	SEP	1303559	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*68*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BJW	1303521	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	13-Feb-13	16-Feb-13	Ir/ar	1303590	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.281**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AM21-021213-1 SB64419-03	60225155	Ground Water	12-Feb-13 13:20	12-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	13-Feb-13	16-Feb-13	Ir/ar	1303590	X
7440-70-2	Calcium	**95.0**		mg/l	0.100	0.0303	1	"	"	19-Feb-13	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	16-Feb-13	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**4.79**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**7.44**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**24.4**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**1.51**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**297**	D, GS1	mg/l	1.25	0.359	5	"	"	19-Feb-13	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	16-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0398**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	14-Feb-13	19-Feb-13	JLM	1303591	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 11:07	13-Feb-13 11:07	CAA	1303603	
	Bicarbonate Alkalinity	**300**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**549**	D, GS1	mg/l	20.0	8.95	20	EPA 300.0	13-Feb-13	13-Feb-13	KK	1303538	X
14797-55-8	Nitrate as N	< 2.00	D, R01	mg/l	2.00	0.726	20	"	13-Feb-13 13:50	13-Feb-13 20:26	"	"	X
14797-65-0	Nitrite as N	< 2.00	D, R01	mg/l	2.00	1.13	20	"	13-Feb-13 13:50	13-Feb-13 20:26	"	"	X
14808-79-8	Sulfate as SO4	**63.8**	D, GS1	mg/l	20.0	12.4	20	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	13-Feb-13	13-Feb-13 12:27	TDD/C	1303617	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-X17-021213-1	60225155	Ground Water	12-Feb-13 14:20	12-Feb-13
SB64419-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	**25.7**		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-X17-021213-1	60225155	Ground Water	12-Feb-13 14:20	12-Feb-13
SB64419-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-X17-021213-1	60225155	Ground Water	12-Feb-13 14:20	12-Feb-13
SB64419-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	14-Feb-13	15-Feb-13	ML/	1303714	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	13-Feb-13	15-Feb-13	SEP	1303559	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*93*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BJW	1303521	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	13-Feb-13	16-Feb-13	Ir/ar	1303590	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**1.67**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-X17-021213-1	60225155	Ground Water	12-Feb-13 14:20	12-Feb-13
SB64419-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	13-Feb-13	16-Feb-13	Ir/ar	1303590	X
7440-70-2	Calcium	**218**		mg/l	0.100	0.0303	1	"	"	19-Feb-13	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	16-Feb-13	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**44.8**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**37.6**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**39.0**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**3.54**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**2,940**	D, GS1	mg/l	5.00	1.44	20	"	"	19-Feb-13	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	16-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0144**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	14-Feb-13	19-Feb-13	JLM	1303591	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 11:07	13-Feb-13 11:07	CAA	1303603	
	Bicarbonate Alkalinity	**171**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**5,430**	D, GS1	mg/l	200	89.5	200	EPA 300.0	14-Feb-13	14-Feb-13	KK	1303739	X
14797-55-8	Nitrate as N	< 5.00	D, R01	mg/l	5.00	1.81	50	"	13-Feb-13 13:50	13-Feb-13 20:43	"	1303538	X
14797-65-0	Nitrite as N	< 5.00	D, R01	mg/l	5.00	2.83	50	"	13-Feb-13 13:50	13-Feb-13 20:43	"	"	X
14808-79-8	Sulfate as SO4	**65.0**	D, GS1	mg/l	50.0	31.0	50	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	13-Feb-13	13-Feb-13 12:30	TDD/C	1303617	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	60225155	Aqueous	12-Feb-13 00:00	12-Feb-13
SB64419-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	13-Feb-13	13-Feb-13	JEG	1303587	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB64419-05	60225155	Aqueous	12-Feb-13 00:00	12-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	13-Feb-13	13-Feb-13	JEG	1303587	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V18-021213-1	60225155	Ground Water	12-Feb-13 15:00	12-Feb-13
SB64419-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V18-021213-1	60225155	Ground Water	12-Feb-13 15:00	12-Feb-13
SB64419-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*95*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V18-021213-1	60225155	Ground Water	12-Feb-13 15:00	12-Feb-13
SB64419-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	14-Feb-13	15-Feb-13	ML/	1303714	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*60*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*68*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	13-Feb-13	15-Feb-13	SEP	1303559	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*69*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BJW	1303521	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	13-Feb-13	16-Feb-13	Ir/ar	1303590	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.640**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V18-021213-1	60225155	Ground Water	12-Feb-13 15:00	12-Feb-13
SB64419-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	13-Feb-13	16-Feb-13	lr/ar	1303590	X
7440-70-2	Calcium	**264**	D, GS1	mg/l	0.500	0.152	5	"	"	19-Feb-13	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	16-Feb-13	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**2.51**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**29.0**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**56.0**	D, GS1	mg/l	0.0500	0.0095	5	"	"	19-Feb-13	"	"	X
7439-96-5	Manganese	**1.00**		mg/l	0.0020	0.0016	1	"	"	16-Feb-13	"	"	X
7440-23-5	Sodium	**692**	D, GS1	mg/l	1.25	0.359	5	"	"	19-Feb-13	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	16-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0096**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	14-Feb-13	19-Feb-13	JLM	1303591	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 11:07	13-Feb-13 11:07	CAA	1303603	
	Bicarbonate Alkalinity	**315**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**1,720**	D, GS1	mg/l	50.0	22.4	50	EPA 300.0	13-Feb-13	13-Feb-13	KK	1303538	X
14797-55-8	Nitrate as N	< 5.00	D, R01	mg/l	5.00	1.81	50	"	13-Feb-13 13:50	13-Feb-13 21:36	"	"	X
14797-65-0	Nitrite as N	< 5.00	D, R01	mg/l	5.00	2.83	50	"	13-Feb-13 13:50	13-Feb-13 21:36	"	"	X
14808-79-8	Sulfate as SO4	< 50.0	D, R01	mg/l	50.0	31.0	50	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	13-Feb-13	13-Feb-13 12:30	TDD/C	1303617	X

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303587 - SW846 5030 Water MS										
Blank (1303587-BLK1)					Prepared & Analyzed: 13-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303587 - SW846 5030 Water MS										
Blank (1303587-BLK1)					Prepared & Analyzed: 13-Feb-13					
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*48.6*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.1*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.8*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*48.9*		µg/l		*50.0*		*98*	*70-130*		
LCS (1303587-BS1)					Prepared & Analyzed: 13-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**19.6**		µg/l		20.0		98	70-130		
Acetone	**19.1**		µg/l		20.0		95	70-130		
Acrylonitrile	**19.7**		µg/l		20.0		99	70-130		
Benzene	**20.2**		µg/l		20.0		101	70-130		
Bromobenzene	**19.8**		µg/l		20.0		99	70-130		
Bromochloromethane	**21.7**		µg/l		20.0		108	70-130		
Bromodichloromethane	**19.0**		µg/l		20.0		95	70-130		
Bromoform	**17.5**		µg/l		20.0		88	70-130		
Bromomethane	**22.8**		µg/l		20.0		114	70-130		
2-Butanone (MEK)	**20.9**		µg/l		20.0		105	70-130		
n-Butylbenzene	**22.0**		µg/l		20.0		110	70-130		
sec-Butylbenzene	**21.3**		µg/l		20.0		107	70-130		
tert-Butylbenzene	**20.7**		µg/l		20.0		104	70-130		
Carbon disulfide	**19.9**		µg/l		20.0		100	70-130		
Carbon tetrachloride	**17.8**		µg/l		20.0		89	70-130		
Chlorobenzene	**20.1**		µg/l		20.0		100	70-130		
Chloroethane	**18.2**		µg/l		20.0		91	70-130		
Chloroform	**20.0**		µg/l		20.0		100	70-130		
Chloromethane	**18.6**		µg/l		20.0		93	70-130		
2-Chlorotoluene	**20.6**		µg/l		20.0		103	70-130		
4-Chlorotoluene	**21.4**		µg/l		20.0		107	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303587 - SW846 5030 Water MS										
LCS (1303587-BS1)					Prepared & Analyzed: 13-Feb-13					
1,2-Dibromo-3-chloropropane	**15.7**		µg/l		20.0		78	70-130		
Dibromochloromethane	**18.1**		µg/l		20.0		91	70-130		
1,2-Dibromoethane (EDB)	**19.8**		µg/l		20.0		99	70-130		
Dibromomethane	**20.9**		µg/l		20.0		104	70-130		
1,2-Dichlorobenzene	**20.3**		µg/l		20.0		101	70-130		
1,3-Dichlorobenzene	**20.2**		µg/l		20.0		101	70-130		
1,4-Dichlorobenzene	**19.2**		µg/l		20.0		96	70-130		
Dichlorodifluoromethane (Freon12)	**18.5**		µg/l		20.0		92	70-130		
1,1-Dichloroethane	**19.7**		µg/l		20.0		98	70-130		
1,2-Dichloroethane	**18.9**		µg/l		20.0		94	70-130		
1,1-Dichloroethene	**19.6**		µg/l		20.0		98	70-130		
cis-1,2-Dichloroethene	**20.2**		µg/l		20.0		101	70-130		
trans-1,2-Dichloroethene	**20.4**		µg/l		20.0		102	70-130		
1,2-Dichloropropane	**20.4**		µg/l		20.0		102	70-130		
1,3-Dichloropropane	**19.7**		µg/l		20.0		98	70-130		
2,2-Dichloropropane	**16.8**		µg/l		20.0		84	70-130		
1,1-Dichloropropene	**20.8**		µg/l		20.0		104	70-130		
cis-1,3-Dichloropropene	**18.3**		µg/l		20.0		91	70-130		
trans-1,3-Dichloropropene	**17.2**		µg/l		20.0		86	70-130		
Ethylbenzene	**20.3**		µg/l		20.0		102	70-130		
Hexachlorobutadiene	**19.8**		µg/l		20.0		99	70-130		
2-Hexanone (MBK)	**18.9**		µg/l		20.0		95	70-130		
Isopropylbenzene	**20.5**		µg/l		20.0		102	70-130		
4-Isopropyltoluene	**21.0**		µg/l		20.0		105	70-130		
Methyl tert-butyl ether	**18.1**		µg/l		20.0		90	70-130		
4-Methyl-2-pentanone (MIBK)	**18.6**		µg/l		20.0		93	70-130		
Methylene chloride	**18.2**		µg/l		20.0		91	70-130		
Naphthalene	**19.1**		µg/l		20.0		95	70-130		
n-Propylbenzene	**21.2**		µg/l		20.0		106	70-130		
Styrene	**20.7**		µg/l		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	**17.8**		µg/l		20.0		89	70-130		
1,1,2,2-Tetrachloroethane	**18.7**		µg/l		20.0		94	70-130		
Tetrachloroethene	**20.7**		µg/l		20.0		103	70-130		
Toluene	**20.1**		µg/l		20.0		101	70-130		
1,2,3-Trichlorobenzene	**22.6**		µg/l		20.0		113	70-130		
1,2,4-Trichlorobenzene	**21.2**		µg/l		20.0		106	70-130		
1,3,5-Trichlorobenzene	**20.7**		µg/l		20.0		103	70-130		
1,1,1-Trichloroethane	**18.4**		µg/l		20.0		92	70-130		
1,1,2-Trichloroethane	**20.2**		µg/l		20.0		101	70-130		
Trichloroethene	**21.8**		µg/l		20.0		109	70-130		
Trichlorofluoromethane (Freon 11)	**19.6**		µg/l		20.0		98	70-130		
1,2,3-Trichloropropane	**19.9**		µg/l		20.0		99	70-130		
1,2,4-Trimethylbenzene	**20.7**		µg/l		20.0		103	70-130		
1,3,5-Trimethylbenzene	**20.6**		µg/l		20.0		103	70-130		
Vinyl chloride	**14.1**		µg/l		20.0		70	70-130		
m,p-Xylene	**41.3**		µg/l		40.0		103	70-130		
o-Xylene	**20.7**		µg/l		20.0		104	70-130		
Tetrahydrofuran	**21.3**		µg/l		20.0		106	70-130		
Ethyl ether	**19.0**		µg/l		20.0		95	70-130		
Tert-amyl methyl ether	**21.8**		µg/l		20.0		109	70-130		
Ethyl tert-butyl ether	**17.0**		µg/l		20.0		85	70-130		
Di-isopropyl ether	**19.8**		µg/l		20.0		99	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303587 - SW846 5030 Water MS										
LCS (1303587-BS1)						Prepared & Analyzed: 13-Feb-13				
Tert-Butanol / butyl alcohol	**176**		µg/l		200		88	70-130		
1,4-Dioxane	**194**		µg/l		200		97	70-130		
trans-1,4-Dichloro-2-butene	**15.4**		µg/l		20.0		77	70-130		
Ethanol	**391**		µg/l		400		98	70-130		
Surrogate: 4-Bromofluorobenzene	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*49.3*		µg/l		*50.0*		*99*	*70-130*		
LCS Dup (1303587-BSD1)						Prepared & Analyzed: 13-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**19.1**		µg/l		20.0		95	70-130	3	20
Acetone	**18.6**		µg/l		20.0		93	70-130	3	20
Acrylonitrile	**19.4**		µg/l		20.0		97	70-130	1	20
Benzene	**19.5**		µg/l		20.0		97	70-130	4	20
Bromobenzene	**19.8**		µg/l		20.0		99	70-130	0.4	20
Bromochloromethane	**21.2**		µg/l		20.0		106	70-130	2	20
Bromodichloromethane	**18.8**		µg/l		20.0		94	70-130	1	20
Bromoform	**17.9**		µg/l		20.0		90	70-130	2	20
Bromomethane	**21.9**		µg/l		20.0		110	70-130	4	20
2-Butanone (MEK)	**20.1**		µg/l		20.0		100	70-130	4	20
n-Butylbenzene	**20.6**		µg/l		20.0		103	70-130	6	20
sec-Butylbenzene	**20.4**		µg/l		20.0		102	70-130	4	20
tert-Butylbenzene	**19.9**		µg/l		20.0		100	70-130	4	20
Carbon disulfide	**19.0**		µg/l		20.0		95	70-130	5	20
Carbon tetrachloride	**17.5**		µg/l		20.0		88	70-130	1	20
Chlorobenzene	**19.5**		µg/l		20.0		97	70-130	3	20
Chloroethane	**17.1**		µg/l		20.0		85	70-130	6	20
Chloroform	**19.2**		µg/l		20.0		96	70-130	4	20
Chloromethane	**18.0**		µg/l		20.0		90	70-130	3	20
2-Chlorotoluene	**19.8**		µg/l		20.0		99	70-130	4	20
4-Chlorotoluene	**20.4**		µg/l		20.0		102	70-130	5	20
1,2-Dibromo-3-chloropropane	**15.4**		µg/l		20.0		77	70-130	1	20
Dibromochloromethane	**18.4**		µg/l		20.0		92	70-130	2	20
1,2-Dibromoethane (EDB)	**19.3**		µg/l		20.0		96	70-130	3	20
Dibromomethane	**20.4**		µg/l		20.0		102	70-130	2	20
1,2-Dichlorobenzene	**19.2**		µg/l		20.0		96	70-130	6	20
1,3-Dichlorobenzene	**19.7**		µg/l		20.0		98	70-130	3	20
1,4-Dichlorobenzene	**18.8**		µg/l		20.0		94	70-130	2	20
Dichlorodifluoromethane (Freon12)	**17.4**		µg/l		20.0		87	70-130	6	20
1,1-Dichloroethane	**18.8**		µg/l		20.0		94	70-130	5	20
1,2-Dichloroethane	**18.4**		µg/l		20.0		92	70-130	3	20
1,1-Dichloroethene	**18.8**		µg/l		20.0		94	70-130	4	20
cis-1,2-Dichloroethene	**19.8**		µg/l		20.0		99	70-130	2	20
trans-1,2-Dichloroethene	**19.5**		µg/l		20.0		97	70-130	5	20
1,2-Dichloropropane	**19.7**		µg/l		20.0		99	70-130	3	20
1,3-Dichloropropane	**19.2**		µg/l		20.0		96	70-130	3	20
2,2-Dichloropropane	**16.8**		µg/l		20.0		84	70-130	0.2	20
1,1-Dichloropropene	**19.8**		µg/l		20.0		99	70-130	5	20
cis-1,3-Dichloropropene	**18.0**		µg/l		20.0		90	70-130	1	20
trans-1,3-Dichloropropene	**17.4**		µg/l		20.0		87	70-130	0.7	20
Ethylbenzene	**19.7**		µg/l		20.0		98	70-130	3	20
Hexachlorobutadiene	**19.0**		µg/l		20.0		95	70-130	4	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303587 - SW846 5030 Water MS										
LCS Dup (1303587-BSD1)					Prepared & Analyzed: 13-Feb-13					
2-Hexanone (MBK)	**15.3**	QR2	µg/l		20.0		76	70-130	21	20
Isopropylbenzene	**19.7**		µg/l		20.0		99	70-130	4	20
4-Isopropyltoluene	**20.0**		µg/l		20.0		100	70-130	4	20
Methyl tert-butyl ether	**17.8**		µg/l		20.0		89	70-130	1	20
4-Methyl-2-pentanone (MIBK)	**17.8**		µg/l		20.0		89	70-130	5	20
Methylene chloride	**17.9**		µg/l		20.0		90	70-130	2	20
Naphthalene	**17.4**		µg/l		20.0		87	70-130	9	20
n-Propylbenzene	**20.4**		µg/l		20.0		102	70-130	4	20
Styrene	**20.0**		µg/l		20.0		100	70-130	4	20
1,1,1,2-Tetrachloroethane	**17.9**		µg/l		20.0		90	70-130	0.9	20
1,1,2,2-Tetrachloroethane	**18.2**		µg/l		20.0		91	70-130	3	20
Tetrachloroethene	**19.9**		µg/l		20.0		100	70-130	4	20
Toluene	**19.4**		µg/l		20.0		97	70-130	3	20
1,2,3-Trichlorobenzene	**21.1**		µg/l		20.0		106	70-130	7	20
1,2,4-Trichlorobenzene	**20.4**		µg/l		20.0		102	70-130	4	20
1,3,5-Trichlorobenzene	**20.0**		µg/l		20.0		100	70-130	3	20
1,1,1-Trichloroethane	**18.2**		µg/l		20.0		91	70-130	2	20
1,1,2-Trichloroethane	**19.9**		µg/l		20.0		100	70-130	1	20
Trichloroethene	**21.1**		µg/l		20.0		105	70-130	3	20
Trichlorofluoromethane (Freon 11)	**18.9**		µg/l		20.0		95	70-130	3	20
1,2,3-Trichloropropane	**19.4**		µg/l		20.0		97	70-130	3	20
1,2,4-Trimethylbenzene	**19.8**		µg/l		20.0		99	70-130	4	20
1,3,5-Trimethylbenzene	**19.9**		µg/l		20.0		99	70-130	3	20
Vinyl chloride	**14.5**		µg/l		20.0		73	70-130	3	20
m,p-Xylene	**40.2**		µg/l		40.0		101	70-130	3	20
o-Xylene	**19.8**		µg/l		20.0		99	70-130	4	20
Tetrahydrofuran	**21.0**		µg/l		20.0		105	70-130	1	20
Ethyl ether	**19.3**		µg/l		20.0		96	70-130	1	20
Tert-amyl methyl ether	**20.6**		µg/l		20.0		103	70-130	5	20
Ethyl tert-butyl ether	**16.7**		µg/l		20.0		84	70-130	2	20
Di-isopropyl ether	**18.9**		µg/l		20.0		95	70-130	4	20
Tert-Butanol / butyl alcohol	**171**		µg/l		200		85	70-130	3	20
1,4-Dioxane	**192**		µg/l		200		96	70-130	1	20
trans-1,4-Dichloro-2-butene	**15.4**		µg/l		20.0		77	70-130	0	20
Ethanol	**396**		µg/l		400		99	70-130	1	20
Surrogate: 4-Bromofluorobenzene	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.5*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*49.3*		µg/l		*50.0*		*99*	*70-130*		
Matrix Spike (1303587-MS1)				**Source: SB64419-01**	Prepared & Analyzed: 13-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**21.9**		µg/l		20.0	BRL	109	70-130		
Acetone	**19.0**		µg/l		20.0	BRL	95	70-130		
Acrylonitrile	**20.0**		µg/l		20.0	BRL	100	70-130		
Benzene	**20.3**		µg/l		20.0	BRL	101	70-130		
Bromobenzene	**20.4**		µg/l		20.0	BRL	102	70-130		
Bromochloromethane	**21.8**		µg/l		20.0	BRL	109	70-130		
Bromodichloromethane	**19.0**		µg/l		20.0	BRL	95	70-130		
Bromoform	**17.9**		µg/l		20.0	BRL	90	70-130		
Bromomethane	**23.4**		µg/l		20.0	0.91	112	70-130		
2-Butanone (MEK)	**21.5**		µg/l		20.0	BRL	107	70-130		
n-Butylbenzene	**21.3**		µg/l		20.0	BRL	106	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303587 - SW846 5030 Water MS										
Matrix Spike (1303587-MS1)			Source: SB64419-01		Prepared & Analyzed: 13-Feb-13					
sec-Butylbenzene	**21.5**		µg/l		20.0	BRL	107	70-130		
tert-Butylbenzene	**21.1**		µg/l		20.0	BRL	105	70-130		
Carbon disulfide	**19.4**		µg/l		20.0	BRL	97	70-130		
Carbon tetrachloride	**17.9**		µg/l		20.0	BRL	90	70-130		
Chlorobenzene	**20.5**		µg/l		20.0	BRL	102	70-130		
Chloroethane	**17.9**		µg/l		20.0	BRL	90	70-130		
Chloroform	**20.0**		µg/l		20.0	BRL	100	70-130		
Chloromethane	**18.4**		µg/l		20.0	BRL	92	70-130		
2-Chlorotoluene	**20.7**		µg/l		20.0	BRL	103	70-130		
4-Chlorotoluene	**21.3**		µg/l		20.0	BRL	107	70-130		
1,2-Dibromo-3-chloropropane	**15.2**		µg/l		20.0	BRL	76	70-130		
Dibromochloromethane	**18.0**		µg/l		20.0	BRL	90	70-130		
1,2-Dibromoethane (EDB)	**19.9**		µg/l		20.0	BRL	99	70-130		
Dibromomethane	**21.0**		µg/l		20.0	BRL	105	70-130		
1,2-Dichlorobenzene	**19.5**		µg/l		20.0	BRL	97	70-130		
1,3-Dichlorobenzene	**20.5**		µg/l		20.0	BRL	103	70-130		
1,4-Dichlorobenzene	**19.3**		µg/l		20.0	BRL	96	70-130		
Dichlorodifluoromethane (Freon12)	**18.5**		µg/l		20.0	BRL	92	70-130		
1,1-Dichloroethane	**19.6**		µg/l		20.0	BRL	98	70-130		
1,2-Dichloroethane	**18.9**		µg/l		20.0	BRL	95	70-130		
1,1-Dichloroethene	**20.2**		µg/l		20.0	BRL	101	70-130		
cis-1,2-Dichloroethene	**20.6**		µg/l		20.0	BRL	103	70-130		
trans-1,2-Dichloroethene	**20.4**		µg/l		20.0	BRL	102	70-130		
1,2-Dichloropropane	**20.4**		µg/l		20.0	BRL	102	70-130		
1,3-Dichloropropane	**19.7**		µg/l		20.0	BRL	99	70-130		
2,2-Dichloropropane	**18.1**		µg/l		20.0	BRL	90	70-130		
1,1-Dichloropropene	**21.0**		µg/l		20.0	BRL	105	70-130		
cis-1,3-Dichloropropene	**18.1**		µg/l		20.0	BRL	91	70-130		
trans-1,3-Dichloropropene	**17.2**		µg/l		20.0	BRL	86	70-130		
Ethylbenzene	**20.7**		µg/l		20.0	BRL	103	70-130		
Hexachlorobutadiene	**20.0**		µg/l		20.0	BRL	100	70-130		
2-Hexanone (MBK)	**16.1**		µg/l		20.0	BRL	80	70-130		
Isopropylbenzene	**20.8**		µg/l		20.0	BRL	104	70-130		
4-Isopropyltoluene	**20.6**		µg/l		20.0	BRL	103	70-130		
Methyl tert-butyl ether	**20.0**		µg/l		20.0	2.45	88	70-130		
4-Methyl-2-pentanone (MIBK)	**18.9**		µg/l		20.0	BRL	94	70-130		
Methylene chloride	**18.6**		µg/l		20.0	BRL	93	70-130		
Naphthalene	**17.6**		µg/l		20.0	0.81	84	70-130		
n-Propylbenzene	**21.3**		µg/l		20.0	BRL	107	70-130		
Styrene	**19.8**		µg/l		20.0	BRL	99	70-130		
1,1,1,2-Tetrachloroethane	**17.9**		µg/l		20.0	BRL	89	70-130		
1,1,2,2-Tetrachloroethane	**19.8**		µg/l		20.0	BRL	99	70-130		
Tetrachloroethene	**21.0**		µg/l		20.0	BRL	105	70-130		
Toluene	**20.4**		µg/l		20.0	BRL	102	70-130		
1,2,3-Trichlorobenzene	**21.5**		µg/l		20.0	BRL	108	70-130		
1,2,4-Trichlorobenzene	**20.9**		µg/l		20.0	BRL	104	70-130		
1,3,5-Trichlorobenzene	**20.3**		µg/l		20.0	BRL	102	70-130		
1,1,1-Trichloroethane	**18.9**		µg/l		20.0	BRL	94	70-130		
1,1,2-Trichloroethane	**20.2**		µg/l		20.0	BRL	101	70-130		
Trichloroethene	**21.6**		µg/l		20.0	BRL	108	70-130		
Trichlorofluoromethane (Freon 11)	**21.1**		µg/l		20.0	BRL	105	70-130		
1,2,3-Trichloropropane	**20.6**		µg/l		20.0	BRL	103	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303587 - SW846 5030 Water MS										
Matrix Spike (1303587-MS1)			**Source: SB64419-01**		Prepared & Analyzed: 13-Feb-13					
1,2,4-Trimethylbenzene	**20.7**		µg/l		20.0	BRL	104	70-130		
1,3,5-Trimethylbenzene	**20.8**		µg/l		20.0	BRL	104	70-130		
Vinyl chloride	**14.8**		µg/l		20.0	BRL	74	70-130		
m,p-Xylene	**42.4**		µg/l		40.0	BRL	106	70-130		
o-Xylene	**21.0**		µg/l		20.0	BRL	105	70-130		
Tetrahydrofuran	**25.4**		µg/l		20.0	2.68	113	70-130		
Ethyl ether	**19.2**		µg/l		20.0	BRL	96	70-130		
Tert-amyl methyl ether	**21.6**		µg/l		20.0	BRL	108	70-130		
Ethyl tert-butyl ether	**17.1**		µg/l		20.0	BRL	85	70-130		
Di-isopropyl ether	**19.1**		µg/l		20.0	BRL	96	70-130		
Tert-Butanol / butyl alcohol	**186**		µg/l		200	BRL	93	70-130		
1,4-Dioxane	**193**		µg/l		200	BRL	97	70-130		
trans-1,4-Dichloro-2-butene	**15.3**		µg/l		20.0	BRL	77	70-130		
Ethanol	**401**		µg/l		400	BRL	100	70-130		
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*49.3*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.3*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*49.2*		µg/l		*50.0*		*98*	*70-130*		
Matrix Spike Dup (1303587-MSD1)			**Source: SB64419-01**		Prepared & Analyzed: 13-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**20.8**		µg/l		20.0	BRL	104	70-130	5	20
Acetone	**20.4**		µg/l		20.0	BRL	102	70-130	7	20
Acrylonitrile	**21.4**		µg/l		20.0	BRL	107	70-130	6	20
Benzene	**19.8**		µg/l		20.0	BRL	99	70-130	2	20
Bromobenzene	**19.4**		µg/l		20.0	BRL	97	70-130	5	20
Bromochloromethane	**21.1**		µg/l		20.0	BRL	106	70-130	3	20
Bromodichloromethane	**19.6**		µg/l		20.0	BRL	98	70-130	3	20
Bromoform	**18.0**		µg/l		20.0	BRL	90	70-130	0.2	20
Bromomethane	**23.2**		µg/l		20.0	0.91	111	70-130	0.8	20
2-Butanone (MEK)	**21.7**		µg/l		20.0	BRL	108	70-130	1	20
n-Butylbenzene	**21.7**		µg/l		20.0	BRL	109	70-130	2	20
sec-Butylbenzene	**20.6**		µg/l		20.0	BRL	103	70-130	4	20
tert-Butylbenzene	**20.0**		µg/l		20.0	BRL	100	70-130	5	20
Carbon disulfide	**18.6**		µg/l		20.0	BRL	93	70-130	4	20
Carbon tetrachloride	**18.0**		µg/l		20.0	BRL	90	70-130	0.3	20
Chlorobenzene	**19.5**		µg/l		20.0	BRL	98	70-130	5	20
Chloroethane	**17.6**		µg/l		20.0	BRL	88	70-130	2	20
Chloroform	**20.0**		µg/l		20.0	BRL	100	70-130	0.1	20
Chloromethane	**18.2**		µg/l		20.0	BRL	91	70-130	1	20
2-Chlorotoluene	**20.1**		µg/l		20.0	BRL	101	70-130	3	20
4-Chlorotoluene	**20.7**		µg/l		20.0	BRL	104	70-130	3	20
1,2-Dibromo-3-chloropropane	**16.9**		µg/l		20.0	BRL	85	70-130	11	20
Dibromochloromethane	**18.5**		µg/l		20.0	BRL	92	70-130	3	20
1,2-Dibromoethane (EDB)	**20.2**		µg/l		20.0	BRL	101	70-130	1	20
Dibromomethane	**21.0**		µg/l		20.0	BRL	105	70-130	0.2	20
1,2-Dichlorobenzene	**19.5**		µg/l		20.0	BRL	97	70-130	0.1	20
1,3-Dichlorobenzene	**19.2**		µg/l		20.0	BRL	96	70-130	6	20
1,4-Dichlorobenzene	**18.8**		µg/l		20.0	BRL	94	70-130	3	20
Dichlorodifluoromethane (Freon12)	**18.0**		µg/l		20.0	BRL	90	70-130	2	20
1,1-Dichloroethane	**19.8**		µg/l		20.0	BRL	99	70-130	0.9	20
1,2-Dichloroethane	**19.1**		µg/l		20.0	BRL	95	70-130	0.8	20
1,1-Dichloroethene	**19.1**		µg/l		20.0	BRL	96	70-130	5	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303587 - SW846 5030 Water MS										
Matrix Spike Dup (1303587-MSD1)			**Source: SB64419-01**		Prepared & Analyzed: 13-Feb-13					
cis-1,2-Dichloroethene	**20.2**		µg/l		20.0	BRL	101	70-130	2	20
trans-1,2-Dichloroethene	**20.3**		µg/l		20.0	BRL	102	70-130	0.7	20
1,2-Dichloropropane	**20.6**		µg/l		20.0	BRL	103	70-130	1	20
1,3-Dichloropropane	**20.1**		µg/l		20.0	BRL	100	70-130	2	20
2,2-Dichloropropane	**18.0**		µg/l		20.0	BRL	90	70-130	0.4	20
1,1-Dichloropropene	**20.6**		µg/l		20.0	BRL	103	70-130	2	20
cis-1,3-Dichloropropene	**18.6**		µg/l		20.0	BRL	93	70-130	3	20
trans-1,3-Dichloropropene	**17.9**		µg/l		20.0	BRL	90	70-130	4	20
Ethylbenzene	**19.9**		µg/l		20.0	BRL	99	70-130	4	20
Hexachlorobutadiene	**19.2**		µg/l		20.0	BRL	96	70-130	4	20
2-Hexanone (MBK)	**16.6**		µg/l		20.0	BRL	83	70-130	3	20
Isopropylbenzene	**19.8**		µg/l		20.0	BRL	99	70-130	5	20
4-Isopropyltoluene	**20.5**		µg/l		20.0	BRL	102	70-130	0.5	20
Methyl tert-butyl ether	**20.8**		µg/l		20.0	2.45	92	70-130	5	20
4-Methyl-2-pentanone (MIBK)	**19.9**		µg/l		20.0	BRL	99	70-130	5	20
Methylene chloride	**18.3**		µg/l		20.0	BRL	91	70-130	2	20
Naphthalene	**18.7**		µg/l		20.0	0.81	90	70-130	7	20
n-Propylbenzene	**20.8**		µg/l		20.0	BRL	104	70-130	3	20
Styrene	**18.9**		µg/l		20.0	BRL	95	70-130	4	20
1,1,1,2-Tetrachloroethane	**17.6**		µg/l		20.0	BRL	88	70-130	1	20
1,1,2,2-Tetrachloroethane	**20.0**		µg/l		20.0	BRL	100	70-130	1	20
Tetrachloroethene	**20.0**		µg/l		20.0	BRL	100	70-130	5	20
Toluene	**19.7**		µg/l		20.0	BRL	98	70-130	4	20
1,2,3-Trichlorobenzene	**21.7**		µg/l		20.0	BRL	108	70-130	0.8	20
1,2,4-Trichlorobenzene	**20.9**		µg/l		20.0	BRL	105	70-130	0.3	20
1,3,5-Trichlorobenzene	**19.9**		µg/l		20.0	BRL	99	70-130	2	20
1,1,1-Trichloroethane	**18.6**		µg/l		20.0	BRL	93	70-130	2	20
1,1,2-Trichloroethane	**20.4**		µg/l		20.0	BRL	102	70-130	0.8	20
Trichloroethene	**21.2**		µg/l		20.0	BRL	106	70-130	2	20
Trichlorofluoromethane (Freon 11)	**20.2**		µg/l		20.0	BRL	101	70-130	4	20
1,2,3-Trichloropropane	**20.5**		µg/l		20.0	BRL	103	70-130	0.5	20
1,2,4-Trimethylbenzene	**20.0**		µg/l		20.0	BRL	100	70-130	3	20
1,3,5-Trimethylbenzene	**19.9**		µg/l		20.0	BRL	100	70-130	4	20
Vinyl chloride	**15.2**		µg/l		20.0	BRL	76	70-130	3	20
m,p-Xylene	**40.2**		µg/l		40.0	BRL	101	70-130	5	20
o-Xylene	**20.4**		µg/l		20.0	BRL	102	70-130	3	20
Tetrahydrofuran	**26.3**		µg/l		20.0	2.68	118	70-130	4	20
Ethyl ether	**19.4**		µg/l		20.0	BRL	97	70-130	0.9	20
Tert-amyl methyl ether	**21.8**		µg/l		20.0	BRL	109	70-130	0.8	20
Ethyl tert-butyl ether	**17.7**		µg/l		20.0	BRL	89	70-130	4	20
Di-isopropyl ether	**19.8**		µg/l		20.0	BRL	99	70-130	4	20
Tert-Butanol / butyl alcohol	**188**		µg/l		200	BRL	94	70-130	1	20
1,4-Dioxane	**215**		µg/l		200	BRL	107	70-130	11	20
trans-1,4-Dichloro-2-butene	**15.6**		µg/l		20.0	BRL	78	70-130	2	20
Ethanol	**412**		µg/l		400	BRL	103	70-130	3	20
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.9*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Batch 1303697 - SW846 5030 Water MS										
Blank (1303697-BLK1)					Prepared & Analyzed: 14-Feb-13					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
Blank (1303697-BLK1)					Prepared & Analyzed: 14-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
Blank (1303697-BLK1)					Prepared & Analyzed: 14-Feb-13					
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*46.0*		µg/l		*50.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.5*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*49.4*		µg/l		*50.0*		*99*	*70-130*		
LCS (1303697-BS1)					Prepared & Analyzed: 14-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**14.2**		µg/l		20.0		71	70-130		
Acetone	**17.2**		µg/l		20.0		86	70-130		
Acrylonitrile	**16.2**		µg/l		20.0		81	70-130		
Benzene	**20.5**		µg/l		20.0		102	70-130		
Bromobenzene	**20.3**		µg/l		20.0		102	70-130		
Bromochloromethane	**21.9**		µg/l		20.0		109	70-130		
Bromodichloromethane	**20.1**		µg/l		20.0		101	70-130		
Bromoform	**20.3**		µg/l		20.0		101	70-130		
Bromomethane	**15.7**		µg/l		20.0		79	70-130		
2-Butanone (MEK)	**21.0**		µg/l		20.0		105	70-130		
n-Butylbenzene	**16.9**		µg/l		20.0		85	70-130		
sec-Butylbenzene	**17.3**		µg/l		20.0		87	70-130		
tert-Butylbenzene	**19.5**		µg/l		20.0		97	70-130		
Carbon disulfide	**13.4**	QM9	µg/l		20.0		67	70-130		
Carbon tetrachloride	**17.6**		µg/l		20.0		88	70-130		
Chlorobenzene	**19.2**		µg/l		20.0		96	70-130		
Chloroethane	**14.6**		µg/l		20.0		73	70-130		
Chloroform	**19.7**		µg/l		20.0		99	70-130		
Chloromethane	**13.5**		µg/l		20.0		68	70-130		
2-Chlorotoluene	**19.1**		µg/l		20.0		96	70-130		
4-Chlorotoluene	**19.2**		µg/l		20.0		96	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
LCS (1303697-BS1)					Prepared & Analyzed: 14-Feb-13					
1,2-Dibromo-3-chloropropane	**18.1**		µg/l		20.0		91	70-130		
Dibromochloromethane	**20.7**		µg/l		20.0		103	70-130		
1,2-Dibromoethane (EDB)	**21.7**		µg/l		20.0		108	70-130		
Dibromomethane	**20.8**		µg/l		20.0		104	70-130		
1,2-Dichlorobenzene	**18.9**		µg/l		20.0		94	70-130		
1,3-Dichlorobenzene	**20.2**		µg/l		20.0		101	70-130		
1,4-Dichlorobenzene	**18.7**		µg/l		20.0		93	70-130		
Dichlorodifluoromethane (Freon12)	**12.5**		µg/l		20.0		63	70-130		
1,1-Dichloroethane	**19.8**		µg/l		20.0		99	70-130		
1,2-Dichloroethane	**18.7**		µg/l		20.0		93	70-130		
1,1-Dichloroethene	**15.1**		µg/l		20.0		76	70-130		
cis-1,2-Dichloroethene	**21.1**		µg/l		20.0		105	70-130		
trans-1,2-Dichloroethene	**20.0**		µg/l		20.0		100	70-130		
1,2-Dichloropropane	**20.8**		µg/l		20.0		104	70-130		
1,3-Dichloropropane	**20.1**		µg/l		20.0		100	70-130		
2,2-Dichloropropane	**18.9**		µg/l		20.0		94	70-130		
1,1-Dichloropropene	**18.9**		µg/l		20.0		94	70-130		
cis-1,3-Dichloropropene	**20.0**		µg/l		20.0		100	70-130		
trans-1,3-Dichloropropene	**19.6**		µg/l		20.0		98	70-130		
Ethylbenzene	**19.3**		µg/l		20.0		97	70-130		
Hexachlorobutadiene	**17.2**		µg/l		20.0		86	70-130		
2-Hexanone (MBK)	**19.8**		µg/l		20.0		99	70-130		
Isopropylbenzene	**19.2**		µg/l		20.0		96	70-130		
4-Isopropyltoluene	**18.1**		µg/l		20.0		90	70-130		
Methyl tert-butyl ether	**17.5**		µg/l		20.0		87	70-130		
4-Methyl-2-pentanone (MIBK)	**21.4**		µg/l		20.0		107	70-130		
Methylene chloride	**15.5**		µg/l		20.0		78	70-130		
Naphthalene	**15.4**		µg/l		20.0		77	70-130		
n-Propylbenzene	**19.5**		µg/l		20.0		97	70-130		
Styrene	**18.1**		µg/l		20.0		91	70-130		
1,1,1,2-Tetrachloroethane	**20.9**		µg/l		20.0		105	70-130		
1,1,2,2-Tetrachloroethane	**21.0**		µg/l		20.0		105	70-130		
Tetrachloroethene	**20.5**		µg/l		20.0		103	70-130		
Toluene	**19.8**		µg/l		20.0		99	70-130		
1,2,3-Trichlorobenzene	**16.7**		µg/l		20.0		83	70-130		
1,2,4-Trichlorobenzene	**16.7**		µg/l		20.0		84	70-130		
1,3,5-Trichlorobenzene	**17.6**		µg/l		20.0		88	70-130		
1,1,1-Trichloroethane	**18.4**		µg/l		20.0		92	70-130		
1,1,2-Trichloroethane	**20.9**		µg/l		20.0		104	70-130		
Trichloroethene	**18.9**		µg/l		20.0		94	70-130		
Trichlorofluoromethane (Freon 11)	**15.2**		µg/l		20.0		76	70-130		
1,2,3-Trichloropropane	**19.6**		µg/l		20.0		98	70-130		
1,2,4-Trimethylbenzene	**17.3**		µg/l		20.0		86	70-130		
1,3,5-Trimethylbenzene	**17.3**		µg/l		20.0		86	70-130		
Vinyl chloride	**12.2**	QM9	µg/l		20.0		61	70-130		
m,p-Xylene	**39.1**		µg/l		40.0		98	70-130		
o-Xylene	**19.8**		µg/l		20.0		99	70-130		
Tetrahydrofuran	**21.5**		µg/l		20.0		107	70-130		
Ethyl ether	**16.3**		µg/l		20.0		82	70-130		
Tert-amyl methyl ether	**15.8**		µg/l		20.0		79	70-130		
Ethyl tert-butyl ether	**17.2**		µg/l		20.0		86	70-130		
Di-isopropyl ether	**20.8**		µg/l		20.0		104	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
LCS (1303697-BS1)						Prepared & Analyzed: 14-Feb-13				
Tert-Butanol / butyl alcohol	**148**		µg/l		200		74	70-130		
1,4-Dioxane	**212**		µg/l		200		106	70-130		
trans-1,4-Dichloro-2-butene	**19.0**		µg/l		20.0		95	70-130		
Ethanol	**331**		µg/l		400		83	70-130		
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.7*		µg/l		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*52.3*		µg/l		*50.0*		*105*	*70-130*		
LCS Dup (1303697-BSD1)						Prepared & Analyzed: 14-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**16.8**		µg/l		20.0		84	70-130	17	20
Acetone	**17.3**		µg/l		20.0		87	70-130	1	20
Acrylonitrile	**16.0**		µg/l		20.0		80	70-130	1	20
Benzene	**21.8**		µg/l		20.0		109	70-130	7	20
Bromobenzene	**21.4**		µg/l		20.0		107	70-130	5	20
Bromochloromethane	**22.8**		µg/l		20.0		114	70-130	4	20
Bromodichloromethane	**21.4**		µg/l		20.0		107	70-130	6	20
Bromoform	**20.6**		µg/l		20.0		103	70-130	1	20
Bromomethane	**17.6**		µg/l		20.0		88	70-130	11	20
2-Butanone (MEK)	**20.7**		µg/l		20.0		103	70-130	2	20
n-Butylbenzene	**17.9**		µg/l		20.0		90	70-130	6	20
sec-Butylbenzene	**18.8**		µg/l		20.0		94	70-130	8	20
tert-Butylbenzene	**21.1**		µg/l		20.0		106	70-130	8	20
Carbon disulfide	**15.5**		µg/l		20.0		78	70-130	15	20
Carbon tetrachloride	**20.4**		µg/l		20.0		102	70-130	15	20
Chlorobenzene	**20.3**		µg/l		20.0		102	70-130	5	20
Chloroethane	**16.0**		µg/l		20.0		80	70-130	9	20
Chloroform	**20.9**		µg/l		20.0		104	70-130	6	20
Chloromethane	**14.8**		µg/l		20.0		74	70-130	9	20
2-Chlorotoluene	**20.5**		µg/l		20.0		103	70-130	7	20
4-Chlorotoluene	**20.8**		µg/l		20.0		104	70-130	8	20
1,2-Dibromo-3-chloropropane	**17.7**		µg/l		20.0		89	70-130	2	20
Dibromochloromethane	**21.4**		µg/l		20.0		107	70-130	3	20
1,2-Dibromoethane (EDB)	**22.0**		µg/l		20.0		110	70-130	2	20
Dibromomethane	**21.3**		µg/l		20.0		106	70-130	2	20
1,2-Dichlorobenzene	**19.3**		µg/l		20.0		96	70-130	2	20
1,3-Dichlorobenzene	**21.2**		µg/l		20.0		106	70-130	5	20
1,4-Dichlorobenzene	**19.3**		µg/l		20.0		97	70-130	4	20
Dichlorodifluoromethane (Freon12)	**15.5**	QR2	µg/l		20.0		78	70-130	21	20
1,1-Dichloroethane	**21.1**		µg/l		20.0		105	70-130	6	20
1,2-Dichloroethane	**18.8**		µg/l		20.0		94	70-130	0.5	20
1,1-Dichloroethene	**17.3**		µg/l		20.0		87	70-130	14	20
cis-1,2-Dichloroethene	**22.0**		µg/l		20.0		110	70-130	4	20
trans-1,2-Dichloroethene	**21.9**		µg/l		20.0		110	70-130	9	20
1,2-Dichloropropane	**21.2**		µg/l		20.0		106	70-130	2	20
1,3-Dichloropropane	**20.8**		µg/l		20.0		104	70-130	4	20
2,2-Dichloropropane	**20.2**		µg/l		20.0		101	70-130	7	20
1,1-Dichloropropene	**21.4**		µg/l		20.0		107	70-130	13	20
cis-1,3-Dichloropropene	**20.6**		µg/l		20.0		103	70-130	3	20
trans-1,3-Dichloropropene	**20.3**		µg/l		20.0		102	70-130	3	20
Ethylbenzene	**20.7**		µg/l		20.0		103	70-130	7	20
Hexachlorobutadiene	**17.6**		µg/l		20.0		88	70-130	3	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
LCS Dup (1303697-BSD1)					Prepared & Analyzed: 14-Feb-13					
2-Hexanone (MBK)	**20.0**		µg/l		20.0		100	70-130	1	20
Isopropylbenzene	**20.7**		µg/l		20.0		104	70-130	7	20
4-Isopropyltoluene	**19.3**		µg/l		20.0		96	70-130	6	20
Methyl tert-butyl ether	**17.8**		µg/l		20.0		89	70-130	2	20
4-Methyl-2-pentanone (MIBK)	**21.8**		µg/l		20.0		109	70-130	2	20
Methylene chloride	**15.9**		µg/l		20.0		80	70-130	3	20
Naphthalene	**15.6**		µg/l		20.0		78	70-130	1	20
n-Propylbenzene	**21.2**		µg/l		20.0		106	70-130	8	20
Styrene	**19.9**		µg/l		20.0		100	70-130	9	20
1,1,1,2-Tetrachloroethane	**21.6**		µg/l		20.0		108	70-130	3	20
1,1,2,2-Tetrachloroethane	**21.2**		µg/l		20.0		106	70-130	1	20
Tetrachloroethene	**22.7**		µg/l		20.0		114	70-130	10	20
Toluene	**21.2**		µg/l		20.0		106	70-130	7	20
1,2,3-Trichlorobenzene	**16.8**		µg/l		20.0		84	70-130	0.7	20
1,2,4-Trichlorobenzene	**17.1**		µg/l		20.0		85	70-130	2	20
1,3,5-Trichlorobenzene	**18.6**		µg/l		20.0		93	70-130	5	20
1,1,1-Trichloroethane	**20.3**		µg/l		20.0		102	70-130	10	20
1,1,2-Trichloroethane	**21.3**		µg/l		20.0		106	70-130	2	20
Trichloroethene	**19.8**		µg/l		20.0		99	70-130	5	20
Trichlorofluoromethane (Freon 11)	**18.2**		µg/l		20.0		91	70-130	17	20
1,2,3-Trichloropropane	**19.8**		µg/l		20.0		99	70-130	1	20
1,2,4-Trimethylbenzene	**19.0**		µg/l		20.0		95	70-130	9	20
1,3,5-Trimethylbenzene	**19.3**		µg/l		20.0		96	70-130	11	20
Vinyl chloride	**14.6**		µg/l		20.0		73	70-130	18	20
m,p-Xylene	**42.9**		µg/l		40.0		107	70-130	9	20
o-Xylene	**21.5**		µg/l		20.0		107	70-130	8	20
Tetrahydrofuran	**20.8**		µg/l		20.0		104	70-130	3	20
Ethyl ether	**16.4**		µg/l		20.0		82	70-130	0.7	20
Tert-amyl methyl ether	**16.0**		µg/l		20.0		80	70-130	2	20
Ethyl tert-butyl ether	**17.4**		µg/l		20.0		87	70-130	2	20
Di-isopropyl ether	**21.1**		µg/l		20.0		106	70-130	2	20
Tert-Butanol / butyl alcohol	**145**		µg/l		200		73	70-130	2	20
1,4-Dioxane	**194**		µg/l		200		97	70-130	9	20
trans-1,4-Dichloro-2-butene	**20.0**		µg/l		20.0		100	70-130	5	20
Ethanol	**327**		µg/l		400		82	70-130	1	20
Surrogate: 4-Bromofluorobenzene	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*51.5*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.8*		µg/l		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*52.1*		µg/l		*50.0*		*104*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303714 - SW846 3510C										
Blank (1303714-BLK1)					Prepared: 14-Feb-13 Analyzed: 15-Feb-13					
Acenaphthene	< 0.050		µg/l	0.050						
Acenaphthylene	< 0.050		µg/l	0.050						
1-Methylnaphthalene	< 0.050		µg/l	0.050						
Anthracene	< 0.050		µg/l	0.050						
Benzo (a) anthracene	< 0.050		µg/l	0.050						
Benzo (a) pyrene	< 0.050		µg/l	0.050						
Benzo (b) fluoranthene	< 0.050		µg/l	0.050						
Benzo (g,h,i) perylene	< 0.050		µg/l	0.050						
Benzo (k) fluoranthene	< 0.050		µg/l	0.050						
Chrysene	< 0.050		µg/l	0.050						
Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050						
Fluoranthene	< 0.050		µg/l	0.050						
Fluorene	< 0.050		µg/l	0.050						
Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050						
2-Methylnaphthalene	< 0.050		µg/l	0.050						
Naphthalene	< 0.050		µg/l	0.050						
Phenanthrene	< 0.050		µg/l	0.050						
Pyrene	< 0.050		µg/l	0.050						
Surrogate: 2-Fluorobiphenyl	*29.1*		µg/l		*50.0*		*58*	*30-130*		
Surrogate: Terphenyl-dl4	*36.2*		µg/l		*50.0*		*72*	*30-130*		
LCS (1303714-BS1)					Prepared: 14-Feb-13 Analyzed: 15-Feb-13					
Acenaphthene	**0.813**		µg/l	0.050	1.00		81	40-140		
Acenaphthylene	**0.839**		µg/l	0.050	1.00		84	40-140		
1-Methylnaphthalene	**0.839**		µg/l	0.050	1.00		84	40-140		
Anthracene	**0.905**		µg/l	0.050	1.00		90	40-140		
Benzo (a) anthracene	**0.976**		µg/l	0.050	1.00		98	40-140		
Benzo (a) pyrene	**0.945**		µg/l	0.050	1.00		94	40-140		
Benzo (b) fluoranthene	**0.936**		µg/l	0.050	1.00		94	40-140		
Benzo (g,h,i) perylene	**0.905**		µg/l	0.050	1.00		90	40-140		
Benzo (k) fluoranthene	**0.923**		µg/l	0.050	1.00		92	40-140		
Chrysene	**0.881**		µg/l	0.050	1.00		88	40-140		
Dibenzo (a,h) anthracene	**1.05**		µg/l	0.050	1.00		105	40-140		
Fluoranthene	**0.946**		µg/l	0.050	1.00		95	40-140		
Fluorene	**0.874**		µg/l	0.050	1.00		87	40-140		
Indeno (1,2,3-cd) pyrene	**1.10**		µg/l	0.050	1.00		110	40-140		
2-Methylnaphthalene	**0.826**		µg/l	0.050	1.00		83	40-140		
Naphthalene	**0.794**		µg/l	0.050	1.00		79	40-140		
Phenanthrene	**0.865**		µg/l	0.050	1.00		86	40-140		
Pyrene	**0.908**		µg/l	0.050	1.00		91	40-140		
Surrogate: 2-Fluorobiphenyl	*0.730*		µg/l		*1.00*		*73*	*30-130*		
Surrogate: Terphenyl-dl4	*0.900*		µg/l		*1.00*		*90*	*30-130*		
Matrix Spike (1303714-MS1)			**Source: SB64419-01**		Prepared: 14-Feb-13 Analyzed: 15-Feb-13					
Acenaphthene	**0.906**		µg/l	0.050	1.03	BRL	88	40-140		
Acenaphthylene	**0.942**		µg/l	0.050	1.03	BRL	91	40-140		
1-Methylnaphthalene	**0.928**		µg/l	0.050	1.03	BRL	90	40-140		
Anthracene	**1.04**		µg/l	0.050	1.03	BRL	101	40-140		
Benzo (a) anthracene	**1.09**		µg/l	0.050	1.03	BRL	106	40-140		
Benzo (a) pyrene	**1.10**		µg/l	0.050	1.03	BRL	107	40-140		
Benzo (b) fluoranthene	**1.08**		µg/l	0.050	1.03	BRL	104	40-140		
Benzo (g,h,i) perylene	**1.05**		µg/l	0.050	1.03	BRL	102	40-140		
Benzo (k) fluoranthene	**1.10**		µg/l	0.050	1.03	BRL	107	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303714 - SW846 3510C										
Matrix Spike (1303714-MS1)			**Source: SB64419-01**		Prepared: 14-Feb-13		Analyzed: 15-Feb-13			
Chrysene	**0.996**		µg/l	0.050	1.03	BRL	97	40-140		
Dibenzo (a,h) anthracene	**1.20**		µg/l	0.050	1.03	BRL	116	40-140		
Fluoranthene	**1.08**		µg/l	0.050	1.03	BRL	105	40-140		
Fluorene	**0.954**		µg/l	0.050	1.03	BRL	92	40-140		
Indeno (1,2,3-cd) pyrene	**1.24**		µg/l	0.050	1.03	BRL	120	40-140		
2-Methylnaphthalene	**0.890**		µg/l	0.050	1.03	BRL	86	40-140		
Naphthalene	**0.848**		µg/l	0.050	1.03	BRL	82	40-140		
Phenanthrene	**1.02**		µg/l	0.050	1.03	BRL	99	40-140		
Pyrene	**1.05**		µg/l	0.050	1.03	BRL	101	40-140		
Surrogate: 2-Fluorobiphenyl	*1.34*		µg/l		*1.03*		*130*	*30-130*		
Surrogate: Terphenyl-dl4	*1.75*	SGC	µg/l		*1.03*		*170*	*30-130*		
Matrix Spike Dup (1303714-MSD1)			**Source: SB64419-01**		Prepared: 14-Feb-13		Analyzed: 15-Feb-13			
Acenaphthene	**0.947**		µg/l	0.050	1.03	BRL	92	40-140	4	20
Acenaphthylene	**1.01**		µg/l	0.050	1.03	BRL	98	40-140	7	20
1-Methylnaphthalene	**0.972**		µg/l	0.050	1.03	BRL	94	40-140	5	20
Anthracene	**1.05**		µg/l	0.050	1.03	BRL	102	40-140	1	20
Benzo (a) anthracene	**1.15**		µg/l	0.050	1.03	BRL	111	40-140	5	20
Benzo (a) pyrene	**1.13**		µg/l	0.050	1.03	BRL	109	40-140	3	20
Benzo (b) fluoranthene	**1.14**		µg/l	0.050	1.03	BRL	111	40-140	6	20
Benzo (g,h,i) perylene	**1.10**		µg/l	0.050	1.03	BRL	106	40-140	4	20
Benzo (k) fluoranthene	**1.08**		µg/l	0.050	1.03	BRL	104	40-140	2	20
Chrysene	**1.02**		µg/l	0.050	1.03	BRL	99	40-140	2	20
Dibenzo (a,h) anthracene	**1.25**		µg/l	0.050	1.03	BRL	121	40-140	4	20
Fluoranthene	**1.11**		µg/l	0.050	1.03	BRL	108	40-140	3	20
Fluorene	**1.04**		µg/l	0.050	1.03	BRL	101	40-140	8	20
Indeno (1,2,3-cd) pyrene	**1.26**		µg/l	0.050	1.03	BRL	122	40-140	2	20
2-Methylnaphthalene	**0.944**		µg/l	0.050	1.03	BRL	92	40-140	6	20
Naphthalene	**0.908**		µg/l	0.050	1.03	BRL	88	40-140	7	20
Phenanthrene	**1.03**		µg/l	0.050	1.03	BRL	100	40-140	1	20
Pyrene	**1.08**		µg/l	0.050	1.03	BRL	105	40-140	3	20
Surrogate: 2-Fluorobiphenyl	*0.845*		µg/l		*1.03*		*82*	*30-130*		
Surrogate: Terphenyl-dl4	*1.05*		µg/l		*1.03*		*102*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303559 - SW846 3510C										
Blank (1303559-BLK1)					Prepared: 13-Feb-13 Analyzed: 14-Feb-13					
Gasoline	< 0.2		mg/l	0.2						
Fuel Oil #2	< 0.2		mg/l	0.2						
Fuel Oil #4	< 0.2		mg/l	0.2						
Fuel Oil #6	< 0.2		mg/l	0.2						
Motor Oil	< 0.2		mg/l	0.2						
Aviation Fuel	< 0.2		mg/l	0.2						
Unidentified	< 0.2		mg/l	0.2						
Other Oil	< 0.2		mg/l	0.2						
Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2						
C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2						
n-Nonadecane	< 0.005		mg/l	0.005						
n-Nonane	< 0.005		mg/l	0.005						
n-Decane	< 0.005		mg/l	0.005						
n-Dodecane	< 0.005		mg/l	0.005						
n-Tetradecane	< 0.005		mg/l	0.005						
n-Hexadecane	< 0.005		mg/l	0.005						
n-Octadecane	< 0.005		mg/l	0.005						
n-Eicosane	< 0.005		mg/l	0.005						
n-Docosane	< 0.005		mg/l	0.005						
n-Tetracosane	< 0.005		mg/l	0.005						
n-Hexacosane	< 0.005		mg/l	0.005						
n-Octacosane	< 0.005		mg/l	0.005						
n-Triacontane	< 0.005		mg/l	0.005						
n-Hexatriacontane	< 0.005		mg/l	0.005						
Surrogate: 1-Chlorooctadecane	*0.0387*		mg/l		*0.0500*		*77*	*50-150*		
LCS (1303559-BS1)					Prepared: 13-Feb-13 Analyzed: 15-Feb-13					
C9-C36 Aliphatic Hydrocarbons	**1.2**		mg/l	0.2	1.40		88	60-120		
Surrogate: 1-Chlorooctadecane	*0.0472*		mg/l		*0.0500*		*94*	*50-150*		
Matrix Spike (1303559-MS1)			**Source: SB64419-01**		Prepared: 13-Feb-13 Analyzed: 15-Feb-13					
C9-C36 Aliphatic Hydrocarbons	**1.8**		mg/l	0.4	2.92	0.07	60	50-150		
Surrogate: 1-Chlorooctadecane	*0.0666*		mg/l		*0.104*		*64*	*50-150*		
Matrix Spike Dup (1303559-MSD1)			**Source: SB64419-01**		Prepared: 13-Feb-13 Analyzed: 15-Feb-13					
C9-C36 Aliphatic Hydrocarbons	**1.9**		mg/l	0.4	2.92	0.07	64	50-150	6	30
Surrogate: 1-Chlorooctadecane	*0.0704*		mg/l		*0.104*		*68*	*50-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303590 - SW846 3005A										
Blank (1303590-BLK1)					Prepared: 13-Feb-13 Analyzed: 16-Feb-13					
Magnesium	< 0.0100		mg/l	0.0100						
Potassium	< 0.500		mg/l	0.500						
Iron	< 0.0150		mg/l	0.0150						
Sodium	< 0.250		mg/l	0.250						
Manganese	< 0.0020		mg/l	0.0020						
Thallium	< 0.0050		mg/l	0.0050						
Chromium	< 0.0050		mg/l	0.0050						
Copper	< 0.0050		mg/l	0.0050						
Nickel	< 0.0050		mg/l	0.0050						
Cadmium	< 0.0025		mg/l	0.0025						
Lead	< 0.0075		mg/l	0.0075						
Antimony	< 0.0060		mg/l	0.0060						
Selenium	< 0.0150		mg/l	0.0150						
Vanadium	< 0.0050		mg/l	0.0050						
Zinc	< 0.0050		mg/l	0.0050						
Calcium	< 0.100		mg/l	0.100						
Barium	< 0.0050		mg/l	0.0050						
Silver	< 0.0050		mg/l	0.0050						
Beryllium	< 0.0020		mg/l	0.0020						
Arsenic	< 0.0040		mg/l	0.0040						
LCS (1303590-BS1)					Prepared: 13-Feb-13 Analyzed: 19-Feb-13					
Sodium	**6.04**		mg/l	0.250	6.25		97	85-115		
Manganese	**1.29**		mg/l	0.0020	1.25		103	85-115		
Magnesium	**1.23**		mg/l	0.0100	1.25		98	85-115		
Potassium	**11.8**		mg/l	0.500	12.5		95	85-115		
Iron	**1.32**		mg/l	0.0150	1.25		106	85-115		
Chromium	**1.26**		mg/l	0.0050	1.25		101	85-115		
Vanadium	**1.23**		mg/l	0.0050	1.25		99	85-115		
Arsenic	**1.26**		mg/l	0.0040	1.25		101	85-115		
Barium	**1.32**		mg/l	0.0050	1.25		106	85-115		
Cadmium	**1.26**		mg/l	0.0025	1.25		101	85-115		
Copper	**1.23**		mg/l	0.0050	1.25		99	85-115		
Nickel	**1.23**		mg/l	0.0050	1.25		98	85-115		
Lead	**1.24**		mg/l	0.0075	1.25		100	85-115		
Antimony	**1.21**		mg/l	0.0060	1.25		97	85-115		
Silver	**1.24**		mg/l	0.0050	1.25		99	85-115		
Thallium	**1.27**		mg/l	0.0050	1.25		102	85-115		
Zinc	**1.27**		mg/l	0.0050	1.25		102	85-115		
Calcium	**6.32**		mg/l	0.100	6.25		101	85-115		
Beryllium	**1.33**		mg/l	0.0020	1.25		106	85-115		
Selenium	**1.27**		mg/l	0.0150	1.25		102	85-115		
LCS Dup (1303590-BSD1)					Prepared: 13-Feb-13 Analyzed: 16-Feb-13					
Iron	**1.37**		mg/l	0.0150	1.25		110	85-115	4	20
Potassium	**12.2**		mg/l	0.500	12.5		97	85-115	3	20
Magnesium	**1.27**		mg/l	0.0100	1.25		102	85-115	4	20
Manganese	**1.32**		mg/l	0.0020	1.25		106	85-115	2	20
Sodium	**6.48**		mg/l	0.250	6.25		104	85-115	7	20
Thallium	**1.29**		mg/l	0.0050	1.25		103	85-115	1	20
Calcium	**6.40**		mg/l	0.100	6.25		102	85-115	1	20
Copper	**1.28**		mg/l	0.0050	1.25		103	85-115	4	20
Vanadium	**1.25**		mg/l	0.0050	1.25		100	85-115	1	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303590 - SW846 3005A										
LCS Dup (1303590-BSD1)					Prepared: 13-Feb-13	Analyzed: 16-Feb-13				
Selenium	**1.27**		mg/l	0.0150	1.25		102	85-115	0	20
Antimony	**1.22**		mg/l	0.0060	1.25		98	85-115	0.7	20
Lead	**1.27**		mg/l	0.0075	1.25		102	85-115	2	20
Nickel	**1.25**		mg/l	0.0050	1.25		100	85-115	2	20
Chromium	**1.29**		mg/l	0.0050	1.25		103	85-115	2	20
Cadmium	**1.27**		mg/l	0.0025	1.25		102	85-115	0.8	20
Beryllium	**1.36**		mg/l	0.0020	1.25		109	85-115	2	20
Barium	**1.37**		mg/l	0.0050	1.25		110	85-115	4	20
Arsenic	**1.27**		mg/l	0.0040	1.25		102	85-115	1	20
Silver	**1.28**		mg/l	0.0050	1.25		102	85-115	3	20
Zinc	**1.30**		mg/l	0.0050	1.25		104	85-115	2	20
Duplicate (1303590-DUP1)			**Source: SB64419-01**		Prepared: 13-Feb-13	Analyzed: 19-Feb-13				
Sodium	**217**		mg/l	0.250		224			3	20
Magnesium	**104**	GS1, D	mg/l	0.0500		107			3	20
Potassium	**12.1**		mg/l	0.500		12.9			6	20
Iron	**0.394**		mg/l	0.0150		0.448			13	20
Manganese	**1.73**		mg/l	0.0020		1.80			4	20
Copper	**0.0021**	J	mg/l	0.0050		BRL				20
Arsenic	< 0.0040		mg/l	0.0040		BRL				20
Zinc	**0.0085**		mg/l	0.0050		0.0100			16	20
Calcium	**243**		mg/l	0.100		249			2	20
Vanadium	< 0.0050		mg/l	0.0050		BRL				20
Thallium	< 0.0050		mg/l	0.0050		BRL				20
Lead	**0.0021**	J	mg/l	0.0075		0.0020			5	20
Antimony	< 0.0060		mg/l	0.0060		BRL				20
Barium	**0.561**		mg/l	0.0050		0.610			8	20
Beryllium	< 0.0020		mg/l	0.0020		BRL				20
Cadmium	**0.0018**	J	mg/l	0.0025		0.0018			2	20
Chromium	< 0.0050		mg/l	0.0050		BRL				20
Silver	< 0.0050		mg/l	0.0050		BRL				20
Selenium	< 0.0150		mg/l	0.0150		BRL				20
Nickel	**0.0118**		mg/l	0.0050		0.0122			2	20
Matrix Spike (1303590-MS1)			**Source: SB64419-01**		Prepared: 13-Feb-13	Analyzed: 16-Feb-13				
Manganese	**3.02**		mg/l	0.0020	1.25	1.80	98	75-125		
Potassium	**26.6**		mg/l	0.500	12.5	12.9	110	75-125		
Iron	**1.79**		mg/l	0.0150	1.25	0.448	108	75-125		
Magnesium	**107**	QM2, D	mg/l	0.0500	1.25	107	-4	75-125		
Sodium	**225**	QM2	mg/l	0.250	6.25	224	19	75-125		
Selenium	**1.30**		mg/l	0.0150	1.25	BRL	104	75-125		
Zinc	**1.21**		mg/l	0.0050	1.25	0.0100	96	75-125		
Vanadium	**1.27**		mg/l	0.0050	1.25	BRL	101	70-130		
Barium	**2.04**		mg/l	0.0050	1.25	0.610	114	75-125		
Thallium	**1.25**		mg/l	0.0050	1.25	BRL	100	75-125		
Calcium	**266**	QM2, D	mg/l	0.500	6.25	249	285	75-125		
Antimony	**1.26**		mg/l	0.0060	1.25	BRL	101	75-125		
Lead	**1.18**		mg/l	0.0075	1.25	0.0020	95	75-125		
Nickel	**1.16**		mg/l	0.0050	1.25	0.0122	92	75-125		
Copper	**1.36**		mg/l	0.0050	1.25	BRL	109	75-125		
Chromium	**1.28**		mg/l	0.0050	1.25	BRL	102	75-125		
Beryllium	**1.40**		mg/l	0.0020	1.25	BRL	112	75-125		
Arsenic	**1.32**		mg/l	0.0040	1.25	BRL	106	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303590 - SW846 3005A										
Matrix Spike (1303590-MS1)			**Source: SB64419-01**		Prepared: 13-Feb-13	Analyzed: 16-Feb-13				
Silver	**1.42**		mg/l	0.0050	1.25	BRL	113	75-125		
Cadmium	**1.19**		mg/l	0.0025	1.25	0.0018	95	75-125		
Matrix Spike Dup (1303590-MSD1)			**Source: SB64419-01**		Prepared: 13-Feb-13	Analyzed: 16-Feb-13				
Iron	**1.67**		mg/l	0.0150	1.25	0.448	98	75-125	7	20
Potassium	**25.8**		mg/l	0.500	12.5	12.9	103	75-125	3	20
Manganese	**3.00**		mg/l	0.0020	1.25	1.80	96	75-125	0.7	20
Magnesium	**107**	QM2, D	mg/l	0.0500	1.25	107	48	75-125	0.6	20
Sodium	**217**	QM2	mg/l	0.250	6.25	224	-105	75-125	4	20
Antimony	**1.30**		mg/l	0.0060	1.25	BRL	104	75-125	4	20
Selenium	**1.36**		mg/l	0.0150	1.25	BRL	108	75-125	4	20
Calcium	**266**	QM2, D	mg/l	0.500	6.25	249	273	75-125	0.3	20
Zinc	**1.22**		mg/l	0.0050	1.25	0.0100	97	75-125	0.6	20
Copper	**1.31**		mg/l	0.0050	1.25	BRL	104	75-125	4	20
Thallium	**1.27**		mg/l	0.0050	1.25	BRL	102	75-125	2	20
Barium	**1.92**		mg/l	0.0050	1.25	0.610	105	75-125	6	20
Arsenic	**1.37**		mg/l	0.0040	1.25	BRL	109	75-125	3	20
Cadmium	**1.22**		mg/l	0.0025	1.25	0.0018	98	75-125	3	20
Vanadium	**1.27**		mg/l	0.0050	1.25	BRL	102	70-130	0.2	20
Chromium	**1.25**		mg/l	0.0050	1.25	BRL	100	75-125	2	20
Silver	**1.38**		mg/l	0.0050	1.25	BRL	111	75-125	2	20
Beryllium	**1.35**		mg/l	0.0020	1.25	BRL	108	75-125	4	20
Nickel	**1.17**		mg/l	0.0050	1.25	0.0122	93	75-125	1	20
Lead	**1.20**		mg/l	0.0075	1.25	0.0020	96	75-125	1	20
Post Spike (1303590-PS1)			**Source: SB64419-01**		Prepared: 13-Feb-13	Analyzed: 19-Feb-13				
Magnesium	**97.2**	QM2, D	mg/l	0.0500	1.25	107	-768	80-120		
Sodium	**194**	QM2	mg/l	0.250	6.25	224	-472	80-120		
Manganese	**2.89**		mg/l	0.0020	1.25	1.80	87	80-120		
Potassium	**25.6**		mg/l	0.500	12.5	12.9	101	80-120		
Iron	**1.80**		mg/l	0.0150	1.25	0.448	109	80-120		
Copper	**1.39**		mg/l	0.0050	1.25	BRL	111	80-120		
Arsenic	**1.40**		mg/l	0.0040	1.25	BRL	112	80-120		
Barium	**2.00**		mg/l	0.0050	1.25	0.610	112	80-120		
Beryllium	**1.44**		mg/l	0.0020	1.25	BRL	115	80-120		
Silver	**1.45**		mg/l	0.0050	1.25	BRL	116	80-120		
Calcium	**239**	QM2, D	mg/l	0.500	6.25	249	-159	80-120		
Cadmium	**1.26**		mg/l	0.0025	1.25	0.0018	101	80-120		
Chromium	**1.32**		mg/l	0.0050	1.25	BRL	106	80-120		
Zinc	**1.28**		mg/l	0.0050	1.25	0.0100	102	80-120		
Vanadium	**1.31**		mg/l	0.0050	1.25	BRL	105	80-120		
Thallium	**1.32**		mg/l	0.0050	1.25	BRL	106	80-120		
Selenium	**1.38**		mg/l	0.0150	1.25	BRL	111	80-120		
Antimony	**1.33**		mg/l	0.0060	1.25	BRL	107	80-120		
Lead	**1.26**		mg/l	0.0075	1.25	0.0020	100	80-120		
Nickel	**1.22**		mg/l	0.0050	1.25	0.0122	97	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303591 - EPA200/SW7000 Series										
Blank (1303591-BLK1)					Prepared: 14-Feb-13	Analyzed: 19-Feb-13				
Mercury	< 0.00020		mg/l	0.00020						
LCS (1303591-BS1)					Prepared: 14-Feb-13	Analyzed: 19-Feb-13				
Mercury	**0.00532**		mg/l	0.00020	0.00500		106	85-115		
Duplicate (1303591-DUP1)			**Source: SB64419-01**		Prepared: 14-Feb-13	Analyzed: 19-Feb-13				
Mercury	< 0.00020		mg/l	0.00020		BRL				20
Matrix Spike (1303591-MS1)			**Source: SB64419-01**		Prepared: 14-Feb-13	Analyzed: 19-Feb-13				
Mercury	**0.00578**		mg/l	0.00020	0.00500	BRL	116	80-120		
Matrix Spike Dup (1303591-MSD1)			**Source: SB64419-01**		Prepared: 14-Feb-13	Analyzed: 19-Feb-13				
Mercury	**0.00565**		mg/l	0.00020	0.00500	BRL	113	80-120	2	20
Post Spike (1303591-PS1)			**Source: SB64419-01**		Prepared: 14-Feb-13	Analyzed: 19-Feb-13				
Mercury	**0.00554**		mg/l	0.00020	0.00500	BRL	111	85-115		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303538 - General Preparation										
Blank (1303538-BLK1)						Prepared & Analyzed: 13-Feb-13				
Sulfate as SO4	< 1.00		mg/l	1.00						
Nitrite as N	< 0.100		mg/l	0.100						
Chloride	< 1.00		mg/l	1.00						
Nitrate as N	< 0.100		mg/l	0.100						
LCS (1303538-BS1)						Prepared & Analyzed: 13-Feb-13				
Sulfate as SO4	**20.3**		mg/l	1.00	20.0		101	90-110		
Chloride	**20.3**		mg/l	1.00	20.0		102	90-110		
Nitrite as N	**2.06**		mg/l	0.100	2.00		103	90-110		
Nitrate as N	**1.93**		mg/l	0.100	2.00		96	90-110		
Matrix Spike (1303538-MS2)			Source: SB64419-01			Prepared & Analyzed: 13-Feb-13				
Chloride	**1380**		mg/l	50.0	200	1160	108	90-110		
Nitrite as N	**22.0**		mg/l	5.00	20.0	BRL	110	90-110		
Sulfate as SO4	**245**	QM7	mg/l	50.0	200	78.5	83	90-110		
Nitrate as N	**20.5**		mg/l	5.00	20.0	BRL	102	90-110		
Matrix Spike Dup (1303538-MSD2)			Source: SB64419-01			Prepared & Analyzed: 13-Feb-13				
Chloride	**1400**	QM4X	mg/l	50.0	200	1160	122	90-110	2	20
Nitrite as N	**24.0**	QM7	mg/l	5.00	20.0	BRL	120	90-110	9	20
Sulfate as SO4	**257**	QM7	mg/l	50.0	200	78.5	89	90-110	5	20
Nitrate as N	**20.5**		mg/l	5.00	20.0	BRL	102	90-110	0	20
Reference (1303538-SRM1)						Prepared & Analyzed: 13-Feb-13				
Nitrite as N	**2.64**		mg/l	0.100	2.50		106	90-110		
Sulfate as SO4	**25.8**		mg/l	1.00	25.0		103	90-110		
Chloride	**26.3**		mg/l	1.00	25.0		105	90-110		
Nitrate as N	**2.47**		mg/l	0.100	2.50		99	90-110		
Batch 1303617 - General Preparation										
Blank (1303617-BLK1)						Prepared & Analyzed: 13-Feb-13				
Sulfide	< 0.100		mg/l	0.100						
LCS (1303617-BS1)						Prepared & Analyzed: 13-Feb-13				
Sulfide	**0.526**		mg/l	0.100	0.500		105	80-120		
Calibration Blank (1303617-CCB1)						Prepared & Analyzed: 13-Feb-13				
Sulfide	**-0.00400**		mg/l							
Calibration Blank (1303617-CCB2)						Prepared & Analyzed: 13-Feb-13				
Sulfide	**-0.0240**		mg/l							
Calibration Blank (1303617-CCB3)						Prepared & Analyzed: 13-Feb-13				
Sulfide	**0.00200**		mg/l							
Calibration Check (1303617-CCV1)						Prepared & Analyzed: 13-Feb-13				
Sulfide	**0.528**		mg/l	0.100	0.500		106	90-110		
Calibration Check (1303617-CCV2)						Prepared & Analyzed: 13-Feb-13				
Sulfide	**0.524**		mg/l	0.100	0.500		105	90-110		
Calibration Check (1303617-CCV3)						Prepared & Analyzed: 13-Feb-13				
Sulfide	**0.528**		mg/l	0.100	0.500		106	90-110		
Duplicate (1303617-DUP1)			Source: SB64419-01			Prepared & Analyzed: 13-Feb-13				
Sulfide	< 0.100		mg/l	0.100		BRL				20
Matrix Spike (1303617-MS1)			Source: SB64419-01			Prepared & Analyzed: 13-Feb-13				
Sulfide	**0.497**		mg/l	0.100	0.500	BRL	99	70-130		
Matrix Spike Dup (1303617-MSD1)			Source: SB64419-01			Prepared & Analyzed: 13-Feb-13				
Sulfide	**0.497**		mg/l	0.100	0.500	BRL	99	70-130	0	20
Batch 1303739 - General Preparation										
Blank (1303739-BLK1)						Prepared & Analyzed: 14-Feb-13				
Chloride	< 1.00		mg/l	1.00						

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303739 - General Preparation										
LCS (1303739-BS1)						Prepared & Analyzed: 14-Feb-13				
Chloride	**20.6**		mg/l	1.00	20.0		103	90-110		
Reference (1303739-SRM1)						Prepared & Analyzed: 14-Feb-13				
Chloride	**25.4**		mg/l	1.00	25.0		102	90-110		

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S213327				
Initial Cal Check (S213327-ICV1)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	4.172451E+08	-0.7	30
n-Nonadecane	3.745961E+08	3.59851E+08	-3.9	30
n-Nonane	3.518477E+08	3.302035E+08	-6.2	30
n-Decane	3.529094E+08	3.288622E+08	-6.8	30
n-Dodecane	3.518164E+08	3.322097E+08	-5.6	30
n-Tetradecane	3.572305E+08	3.375628E+08	-5.5	30
n-Hexadecane	3.744608E+08	3.467755E+08	-7.4	30
n-Octadecane	3.788767E+08	3.559894E+08	-6.0	30
n-Eicosane	3.823902E+08	3.589655E+08	-6.1	30
n-Docosane	3.820764E+08	3.633782E+08	-4.9	30
n-Tetracosane	3.827095E+08	3.647666E+08	-4.7	30
n-Hexacosane	3.827387E+08	3.658727E+08	-4.4	30
n-Octacosane	3.778821E+08	3.551134E+08	-6.0	30
n-Triacontane	3.760388E+08	3.625737E+08	-3.6	30
n-Hexatriacontane	3.596146E+08	3.377967E+08	-6.1	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301811				
Calibration Check (S301811-CCV1)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.84542E+08	-8.9	30
n-Nonadecane	3.745961E+08	3.524983E+08	-5.9	30
n-Nonane	3.518477E+08	3.283129E+08	-6.7	30
n-Decane	3.529094E+08	3.221016E+08	-8.7	30
n-Dodecane	3.518164E+08	3.14728E+08	-10.5	30
n-Tetradecane	3.572305E+08	3.367776E+08	-5.7	30
n-Hexadecane	3.744608E+08	3.489244E+08	-6.8	30
n-Octadecane	3.788767E+08	3.545461E+08	-6.4	30
n-Eicosane	3.823902E+08	3.550906E+08	-7.1	30
n-Docosane	3.820764E+08	3.47761E+08	-9.0	30
n-Tetracosane	3.827095E+08	3.442644E+08	-10.0	30
n-Hexacosane	3.827387E+08	3.456926E+08	-9.7	30
n-Octacosane	3.778821E+08	3.426352E+08	-9.3	30
n-Triacontane	3.760388E+08	3.422788E+08	-9.0	30
n-Hexatriacontane	3.596146E+08	3.403088E+08	-5.4	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301811				
Calibration Check (S301811-CCV2)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.958946E+08	-6.1	30
n-Nonadecane	3.745961E+08	3.761783E+08	0.4	30
n-Nonane	3.518477E+08	3.445642E+08	-2.1	30
n-Decane	3.529094E+08	3.410441E+08	-3.4	30
n-Dodecane	3.518164E+08	3.375624E+08	-4.1	30
n-Tetradecane	3.572305E+08	3.602369E+08	0.8	30
n-Hexadecane	3.744608E+08	3.758659E+08	0.4	30
n-Octadecane	3.788767E+08	3.782936E+08	-0.2	30
n-Eicosane	3.823902E+08	3.790139E+08	-0.9	30
n-Docosane	3.820764E+08	3.712782E+08	-2.8	30
n-Tetracosane	3.827095E+08	3.675429E+08	-4.0	30
n-Hexacosane	3.827387E+08	3.692924E+08	-3.5	30
n-Octacosane	3.778821E+08	3.668238E+08	-2.9	30
n-Triacontane	3.760388E+08	3.671836E+08	-2.4	30
n-Hexatriacontane	3.596146E+08	3.689543E+08	2.6	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301812				
Calibration Check (S301812-CCV1)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	4.03827E+08	-4.1	30
n-Nonadecane	3.745961E+08	3.848315E+08	2.7	30
n-Nonane	3.518477E+08	3.522733E+08	0.1	30
n-Decane	3.529094E+08	3.489881E+08	-1.1	30
n-Dodecane	3.518164E+08	3.421837E+08	-2.7	30
n-Tetradecane	3.572305E+08	3.672434E+08	2.8	30
n-Hexadecane	3.744608E+08	3.822288E+08	2.1	30
n-Octadecane	3.788767E+08	3.870152E+08	2.1	30
n-Eicosane	3.823902E+08	3.885452E+08	1.6	30
n-Docosane	3.820764E+08	3.815959E+08	-0.1	30
n-Tetracosane	3.827095E+08	3.784257E+08	-1.1	30
n-Hexacosane	3.827387E+08	3.796587E+08	-0.8	30
n-Octacosane	3.778821E+08	3.75557E+08	-0.6	30
n-Triacontane	3.760388E+08	3.749489E+08	-0.3	30
n-Hexatriacontane	3.596146E+08	3.732059E+08	3.8	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301812				
Calibration Check (S301812-CCV2)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.722921E+08	-12.0	30
n-Nonadecane	3.745961E+08	3.425971E+08	-8.5	30
n-Nonane	3.518477E+08	3.640846E+08	3.5	30
n-Decane	3.529094E+08	3.523044E+08	-0.2	30
n-Dodecane	3.518164E+08	3.380873E+08	-3.9	30
n-Tetradecane	3.572305E+08	3.477626E+08	-2.7	30
n-Hexadecane	3.744608E+08	3.506485E+08	-6.4	30
n-Octadecane	3.788767E+08	3.492189E+08	-7.8	30
n-Eicosane	3.823902E+08	3.419612E+08	-10.6	30
n-Docosane	3.820764E+08	3.309508E+08	-13.4	30
n-Tetracosane	3.827095E+08	3.268273E+08	-14.6	30
n-Hexacosane	3.827387E+08	3.263216E+08	-14.7	30
n-Octacosane	3.778821E+08	3.183456E+08	-15.8	30
n-Triacontane	3.760388E+08	3.127078E+08	-16.8	30
n-Hexatriacontane	3.596146E+08	3.031023E+08	-15.7	30

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
R01	The Reporting Limit has been raised to account for matrix interference.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Rebecca Merz

SB64419 JB

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of ____

Special Handling: 5 days
- [x] Standard TAT - ~~7 to 10~~ business days
- [ ] Rush TAT - Date Needed: ____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise Dr. Rocky Hill, CT 06067
STE 1A
Telephone #: (860) 263-5800
Project Mgr. Malcolm Beeler

Invoice To: AECOM
P.O. No.: ____ RQN: ____

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich State: CT
Sampler(s): J. Tomlin

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 11= ICE 12= ____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= ____ X2= ____ X3= ____

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes [ ] No [ ]
CT DPH RCP Report: Yes [ ] No [ ]

QA/QC Reporting Level
- [x] Standard
- [ ] No QC
- [ ] DQA*
- [ ] NY ASP A*
- [ ] NY ASP B*
- [ ] NJ Reduced*
- [ ] NJ Full*
- [ ] TIER II*
- [ ] TIER IV*
- [ ] Other ____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	ETPH (11)	PAHs (11)	Metals (CT RCP) (4)	Sulfide (5)	Alkalinity (carbonate + bicarb) (11)	VOCs (2)	Na, K, Ca, Mg, Mn, Fe (4)	Cl, Br, NO3, SO4, nitrite, nitrate (11)	State-specific reporting standards
64419-01	MW-BB34-021213-1	2/12/13	0852	G	GW	6	6		4	X	X	X	X	X	X	X	X	MS/MSD @ 0925
02	MW-AJ19-021213-1	2/12/13	1245	G	GW	3	3		2	X	X	X	X	X	X	X	X	CT GWPC + SWPC
03	MW-AM21-021213-1	2/12/13	1320	G	GW	3	3		2	X	X	X	X	X	X	X	X	
04	MW-X17-021213-1	2/12/13	1420	G	GW	3	3		2	X	X	X	X	X	X	X	X	
05	Trip Blank	2/12/13		G	HQ	1									X			
06	MW-V18-021213-1	2/12/13	1500	G	GW	3	3		2	X	X	X	X	X	X	X	X	
																		* CT RCP Report

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	2-12-13	3:09	
[signature]	[signature]	2-12-13	17:25	0

- [x] EDD Format EQUIS
- [x] E-mail to malcolm.beeler@aecom.com
  colleen.scott@aecom.com

Condition upon receipt:
- [ ] Ambient
- [x] Iced
- [ ] Refrigerated
- [ ] DI VOA Frozen
- [ ] Soil Jar Frozen

Report Date:
21-Feb-13 16:29

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

Laboratory Report

AECOM Environment
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067
Attn: Malcolm Beeler

Project: Greenwich HS - Greenwich, CT
Project #: 60225155

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB64486-01	MW-Y26-021213-1	Ground Water	12-Feb-13 16:30	13-Feb-13 17:50
SB64486-02	MW-AA19-021213-1	Ground Water	12-Feb-13 15:45	13-Feb-13 17:50
SB64486-03	MW-28-021313-1	Ground Water	13-Feb-13 08:30	13-Feb-13 17:50
SB64486-04	MW-F35-021313-1	Ground Water	13-Feb-13 10:00	13-Feb-13 17:50
SB64486-05	MW-R20-021313-1	Ground Water	13-Feb-13 11:15	13-Feb-13 17:50
SB64486-06	MW-L25-021313-1	Ground Water	13-Feb-13 10:50	13-Feb-13 17:50
SB64486-07	MW-P7-021313-1	Ground Water	13-Feb-13 13:45	13-Feb-13 17:50
SB64486-08	MW-35-021313-1	Ground Water	13-Feb-13 08:45	13-Feb-13 17:50
SB64486-09	MW-S15-021313-1	Ground Water	13-Feb-13 14:20	13-Feb-13 17:50
SB64486-10	MW-S15-021313-2	Ground Water	13-Feb-13 14:45	13-Feb-13 17:50
SB64486-11	Trip Blank	Aqueous	13-Feb-13 00:00	13-Feb-13 17:50

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 83 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: AECOM Environment - Rocky Hill, CT

Project Location: Greenwich HS - Greenwich, CT

Project Number: 60225155

Sampling Date(s):
2/12/2013 through 2/13/2013

Laboratory Sample ID(s):
SB64486-01 through SB64486-11

RCP Methods Used:

CT ETPH
EPA 245.1/7470A
SW846 6010C
SW846 8260C
SW846 8270D SIM

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	✓ Yes ✓ Yes	No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes	✓ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 2/21/2013

CASE NARRATIVE:

The samples were received 1.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult.

Due to possible microbial action or loss or gain of gases when the sample is exposed to air, the sampling recommendation for alkalinity or acidity suggests a separate bottle filled completely and capped tightly. When possible, testing for alkalinity or acidity is performed as soon as possible from the designated unopened, full container.

Effective 8/8/2012, the reporting limit for CT ETPH has been raised as proposed by the CT DEP from 0.100 mg/L to 0.200 mg/L for aqueous samples. This Reporting Limit is still lower than the CT DEP proposed Reporting Limit of 0.250 mg/L.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 300.0

Spikes:

1303668-MS1 *Source: SB64486-06*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Nitrate as N
Nitrite as N

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Chloride

1303668-MSD1 *Source: SB64486-06*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Nitrate as N
Nitrite as N

EPA 300.0

Spikes:

1303668-MSD1 *Source: SB64486-06*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Chloride

Duplicates:

1303668-DUP1 *Source: SB64486-06*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N
Sulfate as SO4

1303739-DUP2 *Source: SB64486-06*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

The Reporting Limit has been raised to account for matrix interference.

Nitrite as N

Samples:

SB64486-01 *MW-Y26-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride
Sulfate as SO4

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N

SB64486-02 *MW-AA19-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride
Nitrate as N
Sulfate as SO4

The Reporting Limit has been raised to account for matrix interference.

Nitrite as N

SB64486-03 *MW-28-021313-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N
Sulfate as SO4

EPA 300.0

Samples:

SB64486-04 *MW-F35-021313-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N
Sulfate as SO4

SB64486-05 *MW-R20-021313-1*

The Reporting Limit has been raised to account for matrix interference.

Nitrite as N

SB64486-06 *MW-L25-021313-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N
Sulfate as SO4

SB64486-08 *MW-35-021313-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N
Sulfate as SO4

SB64486-09 *MW-S15-021313-1*

The Reporting Limit has been raised to account for matrix interference.

Nitrite as N

SB64486-10 *MW-S15-021313-2*

The Reporting Limit has been raised to account for matrix interference.

Nitrite as N

SW846 6010C

Spikes:

1303805-MS1 *Source: SB64486-06*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Calcium
Magnesium

1303805-MSD1 *Source: SB64486-06*

SW846 6010C

Spikes:

1303805-MSD1 *Source: SB64486-06*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Calcium
Magnesium
Sodium

1303805-PS1 *Source: SB64486-06*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Calcium
Magnesium
Sodium

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Iron

Duplicates:

1303805-DUP1 *Source: SB64486-05*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Copper

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Iron

Samples:

SB64486-02 *MW-AA19-021213-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Magnesium
Sodium

SB64486-04 *MW-F35-021313-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sodium

SB64486-06 *MW-L25-021313-1*

Data confirmed with duplicate analysis.

Thallium

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Manganese
Sodium

SW846 8260C

Calibration:

1301022

SW846 8260C

Calibration:

1301022

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
Dibromochloromethane
Naphthalene
n-Butylbenzene
sec-Butylbenzene
trans-1,3-Dichloropropene
Vinyl chloride

This affected the following samples:

1303698-BLK1
1303698-BS1
1303698-BSD1
MW-S15-021313-1
MW-S15-021313-2
S300314-ICV1
S301738-CCV1
Trip Blank

1301050

Analyte quantified by quadratic equation type calibration.

1,1,2,2-Tetrachloroethane
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromo-3-chloropropane
1,3,5-Trichlorobenzene
1,3,5-Trimethylbenzene
Bromoform
Carbon tetrachloride
cis-1,3-Dichloropropene
Dibromochloromethane
Naphthalene
n-Butylbenzene
sec-Butylbenzene
Styrene
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene
Vinyl chloride

SW846 8260C

Calibration:

1301050

This affected the following samples:

1303697-BLK1
1303697-BS1
1303697-BSD1
1303697-MS1
1303697-MSD1
MW-28-021313-1
MW-35-021313-1
MW-AA19-021213-1
MW-F35-021313-1
MW-L25-021313-1
MW-P7-021313-1
MW-R20-021313-1
MW-Y26-021213-1
S300912-ICV1
S301717-CCV1

Laboratory Control Samples:

1303697 BS/BSD

Carbon disulfide percent recoveries (67/78) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-28-021313-1
MW-35-021313-1
MW-AA19-021213-1
MW-F35-021313-1
MW-L25-021313-1
MW-P7-021313-1
MW-R20-021313-1
MW-Y26-021213-1

Chloromethane percent recoveries (68/74) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-28-021313-1
MW-35-021313-1
MW-AA19-021213-1
MW-F35-021313-1
MW-L25-021313-1
MW-P7-021313-1
MW-R20-021313-1
MW-Y26-021213-1

Dichlorodifluoromethane (Freon12) percent recoveries (63/78) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-28-021313-1
MW-35-021313-1
MW-AA19-021213-1
MW-F35-021313-1
MW-L25-021313-1
MW-P7-021313-1
MW-R20-021313-1
MW-Y26-021213-1

SW846 8260C

Laboratory Control Samples:

1303697 BS/BSD

Vinyl chloride percent recoveries (61/73) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-28-021313-1
MW-35-021313-1
MW-AA19-021213-1
MW-F35-021313-1
MW-L25-021313-1
MW-P7-021313-1
MW-R20-021313-1
MW-Y26-021213-1

1303697 BSD

Dichlorodifluoromethane (Freon12) RPD 21% (20%) is outside individual acceptance criteria.

1303698 BS/BSD

1,1,2-Trichlorotrifluoroethane (Freon 113) percent recoveries (134/122) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-S15-021313-1
MW-S15-021313-2
Trip Blank

Carbon tetrachloride percent recoveries (142/123) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-S15-021313-1
MW-S15-021313-2
Trip Blank

Trichlorofluoromethane (Freon 11) percent recoveries (131/117) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-S15-021313-1
MW-S15-021313-2
Trip Blank

Vinyl chloride percent recoveries (147/126) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-S15-021313-1
MW-S15-021313-2
Trip Blank

1303698 BSD

Hexachlorobutadiene RPD 21% (20%) is outside individual acceptance criteria.

Spikes:

1303697-MS1 *Source: SB64486-06*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

2-Butanone (MEK)
Vinyl chloride

1303697-MSD1 *Source: SB64486-06*

SW846 8260C

Spikes:

1303697-MSD1 *Source: SB64486-06*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Chloromethane
Dichlorodifluoromethane (Freon12)
Vinyl chloride

Samples:

S301717-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (-25.2%)
Carbon disulfide (-29.0%)
Chloroethane (-25.6%)
Chloromethane (-26.6%)
Dichlorodifluoromethane (Freon12) (-32.1%)
Tert-Butanol / butyl alcohol (-23.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Naphthalene (-26.8%)
Tert-amyl methyl ether (-21.1%)
Vinyl chloride (-36.3%)

This affected the following samples:

1303697-BLK1
1303697-BS1
1303697-BSD1
1303697-MS1
1303697-MSD1
MW-28-021313-1
MW-35-021313-1
MW-AA19-021213-1
MW-F35-021313-1
MW-L25-021313-1
MW-P7-021313-1
MW-R20-021313-1
MW-Y26-021213-1

S301738-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (22.1%)
Carbon tetrachloride (22.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Bromomethane (21.8%)
Vinyl chloride (26.0%)

This affected the following samples:

1303698-BLK1
1303698-BS1
1303698-BSD1
MW-S15-021313-1
MW-S15-021313-2
Trip Blank

SW846 8270D SIM

Calibration:

1301043

Analyte quantified by quadratic equation type calibration.

Benzo (a) pyrene
Benzo (g,h,i) perylene
Dibenzo (a,h) anthracene
Indeno (1,2,3-cd) pyrene

This affected the following samples:

1303886-BLK2
1303886-BS2
1303886-MS1
1303886-MSD1
MW-28-021313-1
MW-35-021313-1
MW-AA19-021213-1
MW-F35-021313-1
MW-L25-021313-1
MW-P7-021313-1
MW-R20-021313-1
MW-S15-021313-1
MW-S15-021313-2
MW-Y26-021213-1
S300782-ICV1
S301864-CCV1
S301926-CCV1

Samples:

S301926-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Indeno (1,2,3-cd) pyrene (22.7%)

This affected the following samples:

MW-28-021313-1
MW-35-021313-1
MW-P7-021313-1
MW-S15-021313-1
MW-S15-021313-2

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y26-021213-1	60225155	Ground Water	12-Feb-13 16:30	13-Feb-13
SB64486-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y26-021213-1	60225155	Ground Water	12-Feb-13 16:30	13-Feb-13
SB64486-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*92*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y26-021213-1 SB64486-01	60225155	Ground Water	12-Feb-13 16:30	13-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	19-Feb-13	19-Feb-13	ML/	1303886	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*65*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	14-Feb-13	20-Feb-13	SEP	1303677	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*111*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			AME	1303703	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.228**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y26-021213-1	60225155	Ground Water	12-Feb-13 16:30	13-Feb-13
SB64486-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-70-2	Calcium	**168**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**0.0241**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**13.4**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**45.2**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**3.16**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**218**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	**0.0094**		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0134**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	15-Feb-13	19-Feb-13	JLM	1303808	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 18:18	13-Feb-13 18:18	CAA	1303666	
	Bicarbonate Alkalinity	**250**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**581**	GS1, D	mg/l	20.0	8.95	20	EPA 300.0	14-Feb-13	14-Feb-13	KK	1303739	X
14797-55-8	Nitrate as N	**2.80**	D, R01	mg/l	1.00	0.363	10	"	13-Feb-13 13:50	14-Feb-13 00:30	"	1303538	X
14797-65-0	Nitrite as N	< 1.00	D, R01	mg/l	1.00	0.566	10	"	13-Feb-13 13:50	14-Feb-13 00:30	"	"	X
14808-79-8	Sulfate as SO4	**53.4**	GS1, D	mg/l	10.0	6.20	10	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:09	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AA19-021213-1	60225155	Ground Water	12-Feb-13 15:45	13-Feb-13
SB64486-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AA19-021213-1	60225155	Ground Water	12-Feb-13 15:45	13-Feb-13
SB64486-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*95*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AA19-021213-1	60225155	Ground Water	12-Feb-13 15:45	13-Feb-13
SB64486-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	19-Feb-13	19-Feb-13	ML/	1303886	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*64*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	14-Feb-13	20-Feb-13	SEP	1303677	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*100*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			AME	1303703	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**1.91**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AA19-021213-1	60225155	Ground Water	12-Feb-13 15:45	13-Feb-13
SB64486-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-70-2	Calcium	**249**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**56.3**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**22.3**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**58.0**	D, GS1	mg/l	0.100	0.0190	10	"	"	20-Feb-13	"	"	X
7439-96-5	Manganese	**4.04**		mg/l	0.0020	0.0016	1	"	"	20-Feb-13	"	"	X
7440-23-5	Sodium	**2,520**	D, GS1	mg/l	5.00	1.44	20	"	"	20-Feb-13	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	20-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0056**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	15-Feb-13	19-Feb-13	JLM	1303808	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 18:18	13-Feb-13 18:18	CAA	1303666	
	Bicarbonate Alkalinity	**167**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**5,250**	D, GS1	mg/l	200	89.5	200	EPA 300.0	14-Feb-13	14-Feb-13	KK	1303739	X
14797-55-8	Nitrate as N	**6.00**	GS1, D	mg/l	5.00	1.81	50	"	13-Feb-13 13:50	14-Feb-13 01:04	"	1303538	X
14797-65-0	Nitrite as N	< 5.00	D, R01	mg/l	5.00	2.83	50	"	13-Feb-13 13:50	14-Feb-13 01:04	"	"	X
14808-79-8	Sulfate as SO4	**67.5**	GS1, D	mg/l	50.0	31.0	50	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:10	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-28-021313-1	60225155	Ground Water	13-Feb-13 08:30	13-Feb-13
SB64486-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-28-021313-1	60225155	Ground Water	13-Feb-13 08:30	13-Feb-13
SB64486-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-28-021313-1 SB64486-03	60225155	Ground Water	13-Feb-13 08:30	13-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	19-Feb-13	20-Feb-13	ML/	1303886	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*66*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*78*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	14-Feb-13	20-Feb-13	SEP	1303677	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*106*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			AME	1303703	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0546**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-28-021313-1 SB64486-03	60225155	Ground Water	13-Feb-13 08:30	13-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-70-2	Calcium	**35.8**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**1.48**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**3.21**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**12.3**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**1.78**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**28.8**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0696**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	15-Feb-13	19-Feb-13	JLM	1303808	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 18:18	13-Feb-13 18:18	CAA	1303666	
	Bicarbonate Alkalinity	**70.9**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**98.4**	GS1, D	mg/l	2.00	0.895	2	EPA 300.0	13-Feb-13	14-Feb-13	KK	1303538	X
14797-55-8	Nitrate as N	< 0.200	D, R01	mg/l	0.200	0.0726	2	"	13-Feb-13 13:50	14-Feb-13 01:57	"	"	X
14797-65-0	Nitrite as N	< 0.200	R01, D	mg/l	0.200	0.113	2	"	13-Feb-13 13:50	14-Feb-13 01:57	"	"	X
14808-79-8	Sulfate as SO4	**7.44**	D, R01	mg/l	2.00	1.24	2	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:10	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-F35-021313-1	60225155	Ground Water	13-Feb-13 10:00	13-Feb-13
SB64486-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-F35-021313-1	60225155	Ground Water	13-Feb-13 10:00	13-Feb-13
SB64486-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*95*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-F35-021313-1	60225155	Ground Water	13-Feb-13 10:00	13-Feb-13
SB64486-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	19-Feb-13	19-Feb-13	ML/	1303886	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*67*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*79*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	14-Feb-13	20-Feb-13	SEP	1303677	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*124*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			AME	1303703	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.453**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-F35-021313-1 SB64486-04	60225155	Ground Water	13-Feb-13 10:00	13-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-70-2	Calcium	**115**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**0.0798**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**12.3**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**27.8**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**2.22**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**414**	D, GS1	mg/l	2.50	0.718	10	"	"	20-Feb-13	"	"	X
7440-02-0	Nickel	**0.0071**		mg/l	0.0050	0.0005	1	"	"	20-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0100**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	15-Feb-13	19-Feb-13	JLM	1303808	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 18:18	13-Feb-13 18:18	CAA	1303666	
	Bicarbonate Alkalinity	**149**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**833**	D, GS1	mg/l	20.0	8.95	20	EPA 300.0	14-Feb-13	14-Feb-13	KK	1303739	X
14797-55-8	Nitrate as N	**1.20**	D, R01	mg/l	0.500	0.181	5	"	13-Feb-13 13:50	14-Feb-13 02:14	"	1303538	X
14797-65-0	Nitrite as N	< 0.500	D, R01	mg/l	0.500	0.283	5	"	13-Feb-13 13:50	14-Feb-13 02:14	"	"	X
14808-79-8	Sulfate as SO4	**44.0**	R01, D	mg/l	5.00	3.10	5	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:11	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-R20-021313-1	60225155	Ground Water	13-Feb-13 11:15	13-Feb-13
SB64486-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-R20-021313-1	60225155	Ground Water	13-Feb-13 11:15	13-Feb-13
SB64486-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-R20-021313-1 SB64486-05	60225155	Ground Water	13-Feb-13 11:15	13-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	19-Feb-13	19-Feb-13	ML/	1303886	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*65*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	14-Feb-13	20-Feb-13	SEP	1303677	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*112*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			AME	1303703	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0773**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-R20-021313-1	60225155	Ground Water	13-Feb-13 11:15	13-Feb-13
SB64486-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-70-2	Calcium	**50.1**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**0.0636**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**3.90**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**8.40**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.0098**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**5.00**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0232**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	15-Feb-13	19-Feb-13	JLM	1303808	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 18:18	13-Feb-13 18:18	CAA	1303666	
	Bicarbonate Alkalinity	**133**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**10.8**		mg/l	1.00	0.448	1	EPA 300.0	13-Feb-13	14-Feb-13	KK	1303538	X
14797-55-8	Nitrate as N	**0.310**		mg/l	0.100	0.0363	1	"	13-Feb-13 13:50	14-Feb-13 02:31	"	"	X
14797-65-0	Nitrite as N	< 0.200	R01, D	mg/l	0.200	0.113	2	"	14-Feb-13 13:00	14-Feb-13 14:50	"	1303739	X
14808-79-8	Sulfate as SO4	**20.1**		mg/l	1.00	0.620	1	"	13-Feb-13	14-Feb-13	"	1303538	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:11	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-L25-021313-1	60225155	Ground Water	13-Feb-13 10:50	13-Feb-13
SB64486-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-L25-021313-1	60225155	Ground Water	13-Feb-13 10:50	13-Feb-13
SB64486-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*93*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-L25-021313-1 SB64486-06	60225155	Ground Water	13-Feb-13 10:50	13-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	19-Feb-13	19-Feb-13	ML/	1303886	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*65*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*78*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.3		mg/l	0.3	0.01	1	CT ETPH	14-Feb-13	21-Feb-13	SEP	1303677	
68476-30-2	Fuel Oil #2	< 0.3		mg/l	0.3	0.03	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.3		mg/l	0.3	0.03	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.3		mg/l	0.3	0.06	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.3		mg/l	0.3	0.03	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.3		mg/l	0.3	0.06	1	"	"	"	"	"	
	Unidentified	< 0.3		mg/l	0.3	0.06	1	"	"	"	"	"	
	Other Oil	< 0.3		mg/l	0.3	0.03	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.3		mg/l	0.3	0.03	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.3		mg/l	0.3	0.07	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*97*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			AME	1303703	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-38-2	Arsenic	**0.0047**		mg/l	0.0040	0.0024	1	"	"	20-Feb-13	"	"	X
7440-39-3	Barium	**0.834**		mg/l	0.0050	0.0010	1	"	"	20-Feb-13	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-L25-021313-1	60225155	Ground Water	13-Feb-13 10:50	13-Feb-13
SB64486-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-70-2	Calcium	**148**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**10.5**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**15.1**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**28.9**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**10.7**	D, GS1	mg/l	0.0200	0.0155	10	"	"	20-Feb-13	"	"	X
7440-23-5	Sodium	**610**	D, GS1	mg/l	2.50	0.718	10	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	20-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	**0.0076**	V11	mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0071**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	15-Feb-13	19-Feb-13	JLM	1303808	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 18:18	13-Feb-13 18:18	CAA	1303666	
	Bicarbonate Alkalinity	**137**		mg/l CaCO3	2.00	1.09	1	SM2320B	20-Feb-13	21-Feb-13	BD	1304000	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	20-Feb-13	21-Feb-13	"	1303999	
16887-00-6	Chloride	**1,260**	D, GS1	mg/l	50.0	22.4	50	EPA 300.0	14-Feb-13	14-Feb-13	KK	1303739	X
14797-55-8	Nitrate as N	< 0.500	R01, D	mg/l	0.500	0.181	5	"	13-Feb-13 18:51	14-Feb-13 04:51	"	1303668	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	13-Feb-13 18:51	14-Feb-13 04:51	"	"	X
14808-79-8	Sulfate as SO4	**25.8**	R01, D	mg/l	5.00	3.10	5	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:12	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-P7-021313-1	60225155	Ground Water	13-Feb-13 13:45	13-Feb-13
SB64486-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-P7-021313-1	60225155	Ground Water	13-Feb-13 13:45	13-Feb-13
SB64486-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-P7-021313-1 SB64486-07	60225155	Ground Water	13-Feb-13 13:45	13-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	19-Feb-13	20-Feb-13	ML/	1303886	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*61*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	14-Feb-13	21-Feb-13	SEP	1303677	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*107*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			AME	1303703	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0804**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-P7-021313-1	60225155	Ground Water	13-Feb-13 13:45	13-Feb-13
SB64486-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-70-2	Calcium	**30.3**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**0.218**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**6.02**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**10.7**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**2.03**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**11.7**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	**0.0050**		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0400**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	15-Feb-13	19-Feb-13	JLM	1303808	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 18:18	13-Feb-13 18:18	CAA	1303666	
	Bicarbonate Alkalinity	**86.4**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**29.0**		mg/l	1.00	0.448	1	EPA 300.0	13-Feb-13	14-Feb-13	KK	1303538	X
14797-55-8	Nitrate as N	**0.480**		mg/l	0.100	0.0363	1	"	13-Feb-13 13:50	14-Feb-13 02:49	"	"	X
14797-65-0	Nitrite as N	< 0.100		mg/l	0.100	0.0566	1	"	13-Feb-13 13:50	14-Feb-13 02:49	"	"	X
14808-79-8	Sulfate as SO4	**31.0**		mg/l	1.00	0.620	1	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:15	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-35-021313-1	60225155	Ground Water	13-Feb-13 08:45	13-Feb-13
SB64486-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-35-021313-1	60225155	Ground Water	13-Feb-13 08:45	13-Feb-13
SB64486-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303697	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-35-021313-1 SB64486-08	60225155	Ground Water	13-Feb-13 08:45	13-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	19-Feb-13	20-Feb-13	ML/	1303886	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*62*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*77*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	14-Feb-13	21-Feb-13	SEP	1303677	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*99*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			AME	1303703	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.182**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-35-021313-1	60225155	Ground Water	13-Feb-13 08:45	13-Feb-13
SB64486-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-70-2	Calcium	**34.2**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	**0.0062**		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**0.189**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**5.47**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**7.77**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.104**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**60.8**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0086**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	15-Feb-13	19-Feb-13	JLM	1303808	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 18:18	13-Feb-13 18:18	CAA	1303666	
	Bicarbonate Alkalinity	**44.2**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**170**	GS1, D	mg/l	5.00	2.24	5	EPA 300.0	13-Feb-13	14-Feb-13	KK	1303538	X
14797-55-8	Nitrate as N	< 0.500	D, R01	mg/l	0.500	0.181	5	"	13-Feb-13 13:50	14-Feb-13 03:06	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	13-Feb-13 13:50	14-Feb-13 03:06	"	"	X
14808-79-8	Sulfate as SO4	**14.0**	R01, D	mg/l	5.00	3.10	5	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:15	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S15-021313-1	60225155	Ground Water	13-Feb-13 14:20	13-Feb-13
SB64486-09				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303698	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S15-021313-1	60225155	Ground Water	13-Feb-13 14:20	13-Feb-13
SB64486-09				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303698	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S15-021313-1 SB64486-09	60225155	Ground Water	13-Feb-13 14:20	13-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	19-Feb-13	20-Feb-13	ML/	1303886	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*61*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	14-Feb-13	21-Feb-13	SEP	1303677	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*103*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			AME	1303703	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.195**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S15-021313-1 SB64486-09	60225155	Ground Water	13-Feb-13 14:20	13-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-70-2	Calcium	**57.6**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**11.7**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**7.42**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**19.2**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.833**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**20.5**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0050		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	15-Feb-13	19-Feb-13	JLM	1303808	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 18:18	13-Feb-13 18:18	CAA	1303666	
	Bicarbonate Alkalinity	**231**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**28.5**		mg/l	1.00	0.448	1	EPA 300.0	13-Feb-13	14-Feb-13	KK	1303668	X
14797-55-8	Nitrate as N	< 0.100		mg/l	0.100	0.0363	1	"	13-Feb-13 18:51	14-Feb-13 06:00	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	14-Feb-13 13:00	14-Feb-13 16:00	"	1303739	X
14808-79-8	Sulfate as SO4	**2.87**		mg/l	1.00	0.620	1	"	13-Feb-13	14-Feb-13	"	1303668	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:16	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S15-021313-2	60225155	Ground Water	13-Feb-13 14:45	13-Feb-13
SB64486-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303698	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S15-021313-2	60225155	Ground Water	13-Feb-13 14:45	13-Feb-13
SB64486-10				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303698	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S15-021313-2 SB64486-10	60225155	Ground Water	13-Feb-13 14:45	13-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	19-Feb-13	20-Feb-13	ML/	1303886	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*60*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*76*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	14-Feb-13	21-Feb-13	SEP	1303677	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*111*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			AME	1303703	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-38-2	Arsenic	**0.0050**		mg/l	0.0040	0.0024	1	"	"	20-Feb-13	"	"	X
7440-39-3	Barium	**0.216**		mg/l	0.0050	0.0010	1	"	"	20-Feb-13	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-S15-021313-2	60225155	Ground Water	13-Feb-13 14:45	13-Feb-13
SB64486-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	15-Feb-13	20-Feb-13	edt	1303805	X
7440-70-2	Calcium	**59.2**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**12.4**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**7.84**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**20.8**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.902**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**23.4**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0053**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	15-Feb-13	19-Feb-13	JLM	1303808	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	13-Feb-13 18:18	13-Feb-13 18:18	CAA	1303666	
	Bicarbonate Alkalinity	**239**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**30.9**		mg/l	1.00	0.448	1	EPA 300.0	13-Feb-13	14-Feb-13	KK	1303668	X
14797-55-8	Nitrate as N	**0.110**		mg/l	0.100	0.0363	1	"	13-Feb-13 18:51	14-Feb-13 06:18	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	14-Feb-13 13:00	14-Feb-13 16:34	"	1303739	X
14808-79-8	Sulfate as SO4	**2.16**		mg/l	1.00	0.620	1	"	13-Feb-13	14-Feb-13	"	1303668	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:16	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	60225155	Aqueous	13-Feb-13 00:00	13-Feb-13
SB64486-11				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303698	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	60225155	Aqueous	13-Feb-13 00:00	13-Feb-13
SB64486-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Feb-13	15-Feb-13	JEG	1303698	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
Blank (1303697-BLK1)					Prepared & Analyzed: 14-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
Blank (1303697-BLK1)					Prepared & Analyzed: 14-Feb-13					
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*46.0*		µg/l		*50.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.5*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*49.4*		µg/l		*50.0*		*99*	*70-130*		
LCS (1303697-BS1)					Prepared & Analyzed: 14-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**14.2**		µg/l		20.0		71	70-130		
Acetone	**17.2**		µg/l		20.0		86	70-130		
Acrylonitrile	**16.2**		µg/l		20.0		81	70-130		
Benzene	**20.5**		µg/l		20.0		102	70-130		
Bromobenzene	**20.3**		µg/l		20.0		102	70-130		
Bromochloromethane	**21.9**		µg/l		20.0		109	70-130		
Bromodichloromethane	**20.1**		µg/l		20.0		101	70-130		
Bromoform	**20.3**		µg/l		20.0		101	70-130		
Bromomethane	**15.7**		µg/l		20.0		79	70-130		
2-Butanone (MEK)	**21.0**		µg/l		20.0		105	70-130		
n-Butylbenzene	**16.9**		µg/l		20.0		85	70-130		
sec-Butylbenzene	**17.3**		µg/l		20.0		87	70-130		
tert-Butylbenzene	**19.5**		µg/l		20.0		97	70-130		
Carbon disulfide	**13.4**	QM9	µg/l		20.0		67	70-130		
Carbon tetrachloride	**17.6**		µg/l		20.0		88	70-130		
Chlorobenzene	**19.2**		µg/l		20.0		96	70-130		
Chloroethane	**14.6**		µg/l		20.0		73	70-130		
Chloroform	**19.7**		µg/l		20.0		99	70-130		
Chloromethane	**13.5**		µg/l		20.0		68	70-130		
2-Chlorotoluene	**19.1**		µg/l		20.0		96	70-130		
4-Chlorotoluene	**19.2**		µg/l		20.0		96	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
LCS (1303697-BS1)					Prepared & Analyzed: 14-Feb-13					
1,2-Dibromo-3-chloropropane	**18.1**		µg/l		20.0		91	70-130		
Dibromochloromethane	**20.7**		µg/l		20.0		103	70-130		
1,2-Dibromoethane (EDB)	**21.7**		µg/l		20.0		108	70-130		
Dibromomethane	**20.8**		µg/l		20.0		104	70-130		
1,2-Dichlorobenzene	**18.9**		µg/l		20.0		94	70-130		
1,3-Dichlorobenzene	**20.2**		µg/l		20.0		101	70-130		
1,4-Dichlorobenzene	**18.7**		µg/l		20.0		93	70-130		
Dichlorodifluoromethane (Freon12)	**12.5**		µg/l		20.0		63	70-130		
1,1-Dichloroethane	**19.8**		µg/l		20.0		99	70-130		
1,2-Dichloroethane	**18.7**		µg/l		20.0		93	70-130		
1,1-Dichloroethene	**15.1**		µg/l		20.0		76	70-130		
cis-1,2-Dichloroethene	**21.1**		µg/l		20.0		105	70-130		
trans-1,2-Dichloroethene	**20.0**		µg/l		20.0		100	70-130		
1,2-Dichloropropane	**20.8**		µg/l		20.0		104	70-130		
1,3-Dichloropropane	**20.1**		µg/l		20.0		100	70-130		
2,2-Dichloropropane	**18.9**		µg/l		20.0		94	70-130		
1,1-Dichloropropene	**18.9**		µg/l		20.0		94	70-130		
cis-1,3-Dichloropropene	**20.0**		µg/l		20.0		100	70-130		
trans-1,3-Dichloropropene	**19.6**		µg/l		20.0		98	70-130		
Ethylbenzene	**19.3**		µg/l		20.0		97	70-130		
Hexachlorobutadiene	**17.2**		µg/l		20.0		86	70-130		
2-Hexanone (MBK)	**19.8**		µg/l		20.0		99	70-130		
Isopropylbenzene	**19.2**		µg/l		20.0		96	70-130		
4-Isopropyltoluene	**18.1**		µg/l		20.0		90	70-130		
Methyl tert-butyl ether	**17.5**		µg/l		20.0		87	70-130		
4-Methyl-2-pentanone (MIBK)	**21.4**		µg/l		20.0		107	70-130		
Methylene chloride	**15.5**		µg/l		20.0		78	70-130		
Naphthalene	**15.4**		µg/l		20.0		77	70-130		
n-Propylbenzene	**19.5**		µg/l		20.0		97	70-130		
Styrene	**18.1**		µg/l		20.0		91	70-130		
1,1,1,2-Tetrachloroethane	**20.9**		µg/l		20.0		105	70-130		
1,1,2,2-Tetrachloroethane	**21.0**		µg/l		20.0		105	70-130		
Tetrachloroethene	**20.5**		µg/l		20.0		103	70-130		
Toluene	**19.8**		µg/l		20.0		99	70-130		
1,2,3-Trichlorobenzene	**16.7**		µg/l		20.0		83	70-130		
1,2,4-Trichlorobenzene	**16.7**		µg/l		20.0		84	70-130		
1,3,5-Trichlorobenzene	**17.6**		µg/l		20.0		88	70-130		
1,1,1-Trichloroethane	**18.4**		µg/l		20.0		92	70-130		
1,1,2-Trichloroethane	**20.9**		µg/l		20.0		104	70-130		
Trichloroethene	**18.9**		µg/l		20.0		94	70-130		
Trichlorofluoromethane (Freon 11)	**15.2**		µg/l		20.0		76	70-130		
1,2,3-Trichloropropane	**19.6**		µg/l		20.0		98	70-130		
1,2,4-Trimethylbenzene	**17.3**		µg/l		20.0		86	70-130		
1,3,5-Trimethylbenzene	**17.3**		µg/l		20.0		86	70-130		
Vinyl chloride	**12.2**	QM9	µg/l		20.0		61	70-130		
m,p-Xylene	**39.1**		µg/l		40.0		98	70-130		
o-Xylene	**19.8**		µg/l		20.0		99	70-130		
Tetrahydrofuran	**21.5**		µg/l		20.0		107	70-130		
Ethyl ether	**16.3**		µg/l		20.0		82	70-130		
Tert-amyl methyl ether	**15.8**		µg/l		20.0		79	70-130		
Ethyl tert-butyl ether	**17.2**		µg/l		20.0		86	70-130		
Di-isopropyl ether	**20.8**		µg/l		20.0		104	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
LCS (1303697-BS1)						Prepared & Analyzed: 14-Feb-13				
Tert-Butanol / butyl alcohol	**148**		µg/l		200		74	70-130		
1,4-Dioxane	**212**		µg/l		200		106	70-130		
trans-1,4-Dichloro-2-butene	**19.0**		µg/l		20.0		95	70-130		
Ethanol	**331**		µg/l		400		83	70-130		
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.7*		µg/l		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*52.3*		µg/l		*50.0*		*105*	*70-130*		
LCS Dup (1303697-BSD1)						Prepared & Analyzed: 14-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**16.8**		µg/l		20.0		84	70-130	17	20
Acetone	**17.3**		µg/l		20.0		87	70-130	1	20
Acrylonitrile	**16.0**		µg/l		20.0		80	70-130	1	20
Benzene	**21.8**		µg/l		20.0		109	70-130	7	20
Bromobenzene	**21.4**		µg/l		20.0		107	70-130	5	20
Bromochloromethane	**22.8**		µg/l		20.0		114	70-130	4	20
Bromodichloromethane	**21.4**		µg/l		20.0		107	70-130	6	20
Bromoform	**20.6**		µg/l		20.0		103	70-130	1	20
Bromomethane	**17.6**		µg/l		20.0		88	70-130	11	20
2-Butanone (MEK)	**20.7**		µg/l		20.0		103	70-130	2	20
n-Butylbenzene	**17.9**		µg/l		20.0		90	70-130	6	20
sec-Butylbenzene	**18.8**		µg/l		20.0		94	70-130	8	20
tert-Butylbenzene	**21.1**		µg/l		20.0		106	70-130	8	20
Carbon disulfide	**15.5**		µg/l		20.0		78	70-130	15	20
Carbon tetrachloride	**20.4**		µg/l		20.0		102	70-130	15	20
Chlorobenzene	**20.3**		µg/l		20.0		102	70-130	5	20
Chloroethane	**16.0**		µg/l		20.0		80	70-130	9	20
Chloroform	**20.9**		µg/l		20.0		104	70-130	6	20
Chloromethane	**14.8**		µg/l		20.0		74	70-130	9	20
2-Chlorotoluene	**20.5**		µg/l		20.0		103	70-130	7	20
4-Chlorotoluene	**20.8**		µg/l		20.0		104	70-130	8	20
1,2-Dibromo-3-chloropropane	**17.7**		µg/l		20.0		89	70-130	2	20
Dibromochloromethane	**21.4**		µg/l		20.0		107	70-130	3	20
1,2-Dibromoethane (EDB)	**22.0**		µg/l		20.0		110	70-130	2	20
Dibromomethane	**21.3**		µg/l		20.0		106	70-130	2	20
1,2-Dichlorobenzene	**19.3**		µg/l		20.0		96	70-130	2	20
1,3-Dichlorobenzene	**21.2**		µg/l		20.0		106	70-130	5	20
1,4-Dichlorobenzene	**19.3**		µg/l		20.0		97	70-130	4	20
Dichlorodifluoromethane (Freon12)	**15.5**	QR2	µg/l		20.0		78	70-130	21	20
1,1-Dichloroethane	**21.1**		µg/l		20.0		105	70-130	6	20
1,2-Dichloroethane	**18.8**		µg/l		20.0		94	70-130	0.5	20
1,1-Dichloroethene	**17.3**		µg/l		20.0		87	70-130	14	20
cis-1,2-Dichloroethene	**22.0**		µg/l		20.0		110	70-130	4	20
trans-1,2-Dichloroethene	**21.9**		µg/l		20.0		110	70-130	9	20
1,2-Dichloropropane	**21.2**		µg/l		20.0		106	70-130	2	20
1,3-Dichloropropane	**20.8**		µg/l		20.0		104	70-130	4	20
2,2-Dichloropropane	**20.2**		µg/l		20.0		101	70-130	7	20
1,1-Dichloropropene	**21.4**		µg/l		20.0		107	70-130	13	20
cis-1,3-Dichloropropene	**20.6**		µg/l		20.0		103	70-130	3	20
trans-1,3-Dichloropropene	**20.3**		µg/l		20.0		102	70-130	3	20
Ethylbenzene	**20.7**		µg/l		20.0		103	70-130	7	20
Hexachlorobutadiene	**17.6**		µg/l		20.0		88	70-130	3	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
LCS Dup (1303697-BSD1)					Prepared & Analyzed: 14-Feb-13					
2-Hexanone (MBK)	**20.0**		µg/l		20.0		100	70-130	1	20
Isopropylbenzene	**20.7**		µg/l		20.0		104	70-130	7	20
4-Isopropyltoluene	**19.3**		µg/l		20.0		96	70-130	6	20
Methyl tert-butyl ether	**17.8**		µg/l		20.0		89	70-130	2	20
4-Methyl-2-pentanone (MIBK)	**21.8**		µg/l		20.0		109	70-130	2	20
Methylene chloride	**15.9**		µg/l		20.0		80	70-130	3	20
Naphthalene	**15.6**		µg/l		20.0		78	70-130	1	20
n-Propylbenzene	**21.2**		µg/l		20.0		106	70-130	8	20
Styrene	**19.9**		µg/l		20.0		100	70-130	9	20
1,1,1,2-Tetrachloroethane	**21.6**		µg/l		20.0		108	70-130	3	20
1,1,2,2-Tetrachloroethane	**21.2**		µg/l		20.0		106	70-130	1	20
Tetrachloroethene	**22.7**		µg/l		20.0		114	70-130	10	20
Toluene	**21.2**		µg/l		20.0		106	70-130	7	20
1,2,3-Trichlorobenzene	**16.8**		µg/l		20.0		84	70-130	0.7	20
1,2,4-Trichlorobenzene	**17.1**		µg/l		20.0		85	70-130	2	20
1,3,5-Trichlorobenzene	**18.6**		µg/l		20.0		93	70-130	5	20
1,1,1-Trichloroethane	**20.3**		µg/l		20.0		102	70-130	10	20
1,1,2-Trichloroethane	**21.3**		µg/l		20.0		106	70-130	2	20
Trichloroethene	**19.8**		µg/l		20.0		99	70-130	5	20
Trichlorofluoromethane (Freon 11)	**18.2**		µg/l		20.0		91	70-130	17	20
1,2,3-Trichloropropane	**19.8**		µg/l		20.0		99	70-130	1	20
1,2,4-Trimethylbenzene	**19.0**		µg/l		20.0		95	70-130	9	20
1,3,5-Trimethylbenzene	**19.3**		µg/l		20.0		96	70-130	11	20
Vinyl chloride	**14.6**		µg/l		20.0		73	70-130	18	20
m,p-Xylene	**42.9**		µg/l		40.0		107	70-130	9	20
o-Xylene	**21.5**		µg/l		20.0		107	70-130	8	20
Tetrahydrofuran	**20.8**		µg/l		20.0		104	70-130	3	20
Ethyl ether	**16.4**		µg/l		20.0		82	70-130	0.7	20
Tert-amyl methyl ether	**16.0**		µg/l		20.0		80	70-130	2	20
Ethyl tert-butyl ether	**17.4**		µg/l		20.0		87	70-130	2	20
Di-isopropyl ether	**21.1**		µg/l		20.0		106	70-130	2	20
Tert-Butanol / butyl alcohol	**145**		µg/l		200		73	70-130	2	20
1,4-Dioxane	**194**		µg/l		200		97	70-130	9	20
trans-1,4-Dichloro-2-butene	**20.0**		µg/l		20.0		100	70-130	5	20
Ethanol	**327**		µg/l		400		82	70-130	1	20
Surrogate: 4-Bromofluorobenzene	*51.4*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*51.5*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.8*		µg/l		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*52.1*		µg/l		*50.0*		*104*	*70-130*		
Matrix Spike (1303697-MS1)			**Source: SB64486-06**		Prepared & Analyzed: 14-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**23.2**		µg/l		20.0	BRL	116	70-130		
Acetone	**19.5**		µg/l		20.0	BRL	97	70-130		
Acrylonitrile	**17.2**		µg/l		20.0	BRL	86	70-130		
Benzene	**23.4**		µg/l		20.0	BRL	117	70-130		
Bromobenzene	**22.7**		µg/l		20.0	BRL	113	70-130		
Bromochloromethane	**23.7**		µg/l		20.0	BRL	119	70-130		
Bromodichloromethane	**23.3**		µg/l		20.0	BRL	117	70-130		
Bromoform	**22.7**		µg/l		20.0	BRL	114	70-130		
Bromomethane	**17.7**		µg/l		20.0	BRL	89	70-130		
2-Butanone (MEK)	**26.2**	QM7	µg/l		20.0	BRL	131	70-130		
n-Butylbenzene	**20.7**		µg/l		20.0	BRL	104	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
Matrix Spike (1303697-MS1)			Source: SB64486-06		Prepared & Analyzed: 14-Feb-13					
sec-Butylbenzene	**20.6**		µg/l		20.0	BRL	103	70-130		
tert-Butylbenzene	**23.2**		µg/l		20.0	BRL	116	70-130		
Carbon disulfide	**22.4**		µg/l		20.0	BRL	112	70-130		
Carbon tetrachloride	**22.4**		µg/l		20.0	BRL	112	70-130		
Chlorobenzene	**21.5**		µg/l		20.0	BRL	108	70-130		
Chloroethane	**16.1**		µg/l		20.0	BRL	80	70-130		
Chloroform	**22.0**		µg/l		20.0	BRL	110	70-130		
Chloromethane	**14.3**		µg/l		20.0	BRL	71	70-130		
2-Chlorotoluene	**21.9**		µg/l		20.0	BRL	109	70-130		
4-Chlorotoluene	**21.7**		µg/l		20.0	BRL	108	70-130		
1,2-Dibromo-3-chloropropane	**20.9**		µg/l		20.0	BRL	105	70-130		
Dibromochloromethane	**22.8**		µg/l		20.0	BRL	114	70-130		
1,2-Dibromoethane (EDB)	**23.3**		µg/l		20.0	BRL	117	70-130		
Dibromomethane	**22.7**		µg/l		20.0	BRL	114	70-130		
1,2-Dichlorobenzene	**21.5**		µg/l		20.0	BRL	107	70-130		
1,3-Dichlorobenzene	**22.8**		µg/l		20.0	BRL	114	70-130		
1,4-Dichlorobenzene	**20.7**		µg/l		20.0	BRL	104	70-130		
Dichlorodifluoromethane (Freon12)	**14.0**		µg/l		20.0	BRL	70	70-130		
1,1-Dichloroethane	**22.9**		µg/l		20.0	BRL	114	70-130		
1,2-Dichloroethane	**20.2**		µg/l		20.0	BRL	101	70-130		
1,1-Dichloroethene	**17.8**		µg/l		20.0	BRL	89	70-130		
cis-1,2-Dichloroethene	**23.7**		µg/l		20.0	BRL	118	70-130		
trans-1,2-Dichloroethene	**23.1**		µg/l		20.0	BRL	116	70-130		
1,2-Dichloropropane	**23.0**		µg/l		20.0	BRL	115	70-130		
1,3-Dichloropropane	**21.7**		µg/l		20.0	BRL	109	70-130		
2,2-Dichloropropane	**20.7**		µg/l		20.0	BRL	104	70-130		
1,1-Dichloropropene	**23.2**		µg/l		20.0	BRL	116	70-130		
cis-1,3-Dichloropropene	**21.7**		µg/l		20.0	BRL	109	70-130		
trans-1,3-Dichloropropene	**21.0**		µg/l		20.0	BRL	105	70-130		
Ethylbenzene	**22.1**		µg/l		20.0	BRL	111	70-130		
Hexachlorobutadiene	**22.9**		µg/l		20.0	BRL	114	70-130		
2-Hexanone (MBK)	**21.9**		µg/l		20.0	BRL	109	70-130		
Isopropylbenzene	**22.4**		µg/l		20.0	BRL	112	70-130		
4-Isopropyltoluene	**21.4**		µg/l		20.0	BRL	107	70-130		
Methyl tert-butyl ether	**19.8**		µg/l		20.0	BRL	99	70-130		
4-Methyl-2-pentanone (MIBK)	**23.7**		µg/l		20.0	BRL	118	70-130		
Methylene chloride	**16.9**		µg/l		20.0	BRL	85	70-130		
Naphthalene	**19.7**		µg/l		20.0	BRL	98	70-130		
n-Propylbenzene	**22.6**		µg/l		20.0	BRL	113	70-130		
Styrene	**19.9**		µg/l		20.0	BRL	100	70-130		
1,1,1,2-Tetrachloroethane	**23.9**		µg/l		20.0	BRL	119	70-130		
1,1,2,2-Tetrachloroethane	**25.5**		µg/l		20.0	BRL	127	70-130		
Tetrachloroethene	**23.9**		µg/l		20.0	BRL	120	70-130		
Toluene	**22.5**		µg/l		20.0	BRL	112	70-130		
1,2,3-Trichlorobenzene	**21.2**		µg/l		20.0	BRL	106	70-130		
1,2,4-Trichlorobenzene	**20.8**		µg/l		20.0	BRL	104	70-130		
1,3,5-Trichlorobenzene	**22.2**		µg/l		20.0	BRL	111	70-130		
1,1,1-Trichloroethane	**22.6**		µg/l		20.0	BRL	113	70-130		
1,1,2-Trichloroethane	**23.0**		µg/l		20.0	BRL	115	70-130		
Trichloroethene	**20.3**		µg/l		20.0	BRL	101	70-130		
Trichlorofluoromethane (Freon 11)	**19.2**		µg/l		20.0	BRL	96	70-130		
1,2,3-Trichloropropane	**21.6**		µg/l		20.0	BRL	108	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
Matrix Spike (1303697-MS1)			**Source: SB64486-06**		Prepared & Analyzed: 14-Feb-13					
1,2,4-Trimethylbenzene	**19.9**		µg/l		20.0	BRL	100	70-130		
1,3,5-Trimethylbenzene	**19.8**		µg/l		20.0	BRL	99	70-130		
Vinyl chloride	**13.5**	QM7	µg/l		20.0	BRL	68	70-130		
m,p-Xylene	**44.1**		µg/l		40.0	BRL	110	70-130		
o-Xylene	**22.4**		µg/l		20.0	BRL	112	70-130		
Tetrahydrofuran	**24.4**		µg/l		20.0	BRL	122	70-130		
Ethyl ether	**17.3**		µg/l		20.0	BRL	86	70-130		
Tert-amyl methyl ether	**17.9**		µg/l		20.0	BRL	90	70-130		
Ethyl tert-butyl ether	**19.3**		µg/l		20.0	BRL	97	70-130		
Di-isopropyl ether	**23.3**		µg/l		20.0	BRL	116	70-130		
Tert-Butanol / butyl alcohol	**166**		µg/l		200	BRL	83	70-130		
1,4-Dioxane	**219**		µg/l		200	BRL	110	70-130		
trans-1,4-Dichloro-2-butene	**19.7**		µg/l		20.0	BRL	98	70-130		
Ethanol	**336**		µg/l		400	BRL	84	70-130		
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.1*		µg/l		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*54.2*		µg/l		*50.0*		*108*	*70-130*		
Matrix Spike Dup (1303697-MSD1)			**Source: SB64486-06**		Prepared: 14-Feb-13 Analyzed: 15-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**20.4**		µg/l		20.0	BRL	102	70-130	13	20
Acetone	**17.7**		µg/l		20.0	BRL	88	70-130	10	20
Acrylonitrile	**17.1**		µg/l		20.0	BRL	86	70-130	0.5	20
Benzene	**22.0**		µg/l		20.0	BRL	110	70-130	6	20
Bromobenzene	**21.9**		µg/l		20.0	BRL	110	70-130	3	20
Bromochloromethane	**23.4**		µg/l		20.0	BRL	117	70-130	1	20
Bromodichloromethane	**22.5**		µg/l		20.0	BRL	112	70-130	4	20
Bromoform	**22.6**		µg/l		20.0	BRL	113	70-130	0.4	20
Bromomethane	**16.6**		µg/l		20.0	BRL	83	70-130	7	20
2-Butanone (MEK)	**24.0**		µg/l		20.0	BRL	120	70-130	9	20
n-Butylbenzene	**19.3**		µg/l		20.0	BRL	96	70-130	7	20
sec-Butylbenzene	**19.5**		µg/l		20.0	BRL	97	70-130	6	20
tert-Butylbenzene	**21.6**		µg/l		20.0	BRL	108	70-130	7	20
Carbon disulfide	**20.6**		µg/l		20.0	BRL	103	70-130	8	20
Carbon tetrachloride	**20.6**		µg/l		20.0	BRL	103	70-130	8	20
Chlorobenzene	**20.6**		µg/l		20.0	BRL	103	70-130	4	20
Chloroethane	**15.5**		µg/l		20.0	BRL	77	70-130	4	20
Chloroform	**21.4**		µg/l		20.0	BRL	107	70-130	2	20
Chloromethane	**13.4**	QM7	µg/l		20.0	BRL	67	70-130	7	20
2-Chlorotoluene	**20.9**		µg/l		20.0	BRL	105	70-130	4	20
4-Chlorotoluene	**20.6**		µg/l		20.0	BRL	103	70-130	5	20
1,2-Dibromo-3-chloropropane	**19.8**		µg/l		20.0	BRL	99	70-130	5	20
Dibromochloromethane	**22.5**		µg/l		20.0	BRL	112	70-130	1	20
1,2-Dibromoethane (EDB)	**23.2**		µg/l		20.0	BRL	116	70-130	0.5	20
Dibromomethane	**22.2**		µg/l		20.0	BRL	111	70-130	2	20
1,2-Dichlorobenzene	**20.4**		µg/l		20.0	BRL	102	70-130	5	20
1,3-Dichlorobenzene	**21.9**		µg/l		20.0	BRL	109	70-130	4	20
1,4-Dichlorobenzene	**20.0**		µg/l		20.0	BRL	100	70-130	4	20
Dichlorodifluoromethane (Freon12)	**12.0**	QM7	µg/l		20.0	BRL	60	70-130	15	20
1,1-Dichloroethane	**21.4**		µg/l		20.0	BRL	107	70-130	7	20
1,2-Dichloroethane	**19.8**		µg/l		20.0	BRL	99	70-130	2	20
1,1-Dichloroethene	**16.6**		µg/l		20.0	BRL	83	70-130	7	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303697 - SW846 5030 Water MS										
Matrix Spike Dup (1303697-MSD1)			**Source: SB64486-06**		Prepared: 14-Feb-13	Analyzed: 15-Feb-13				
cis-1,2-Dichloroethene	**22.3**		µg/l		20.0	BRL	111	70-130	6	20
trans-1,2-Dichloroethene	**22.1**		µg/l		20.0	BRL	110	70-130	5	20
1,2-Dichloropropane	**22.1**		µg/l		20.0	BRL	110	70-130	4	20
1,3-Dichloropropane	**21.5**		µg/l		20.0	BRL	107	70-130	1	20
2,2-Dichloropropane	**18.8**		µg/l		20.0	BRL	94	70-130	10	20
1,1-Dichloropropene	**21.3**		µg/l		20.0	BRL	106	70-130	8	20
cis-1,3-Dichloropropene	**20.9**		µg/l		20.0	BRL	104	70-130	4	20
trans-1,3-Dichloropropene	**20.5**		µg/l		20.0	BRL	103	70-130	2	20
Ethylbenzene	**20.8**		µg/l		20.0	BRL	104	70-130	6	20
Hexachlorobutadiene	**21.4**		µg/l		20.0	BRL	107	70-130	7	20
2-Hexanone (MBK)	**21.8**		µg/l		20.0	BRL	109	70-130	0.3	20
Isopropylbenzene	**20.8**		µg/l		20.0	BRL	104	70-130	7	20
4-Isopropyltoluene	**20.0**		µg/l		20.0	BRL	100	70-130	7	20
Methyl tert-butyl ether	**19.6**		µg/l		20.0	BRL	98	70-130	1	20
4-Methyl-2-pentanone (MIBK)	**23.7**		µg/l		20.0	BRL	118	70-130	0.04	20
Methylene chloride	**16.1**		µg/l		20.0	BRL	81	70-130	5	20
Naphthalene	**18.9**		µg/l		20.0	BRL	95	70-130	4	20
n-Propylbenzene	**21.3**		µg/l		20.0	BRL	107	70-130	6	20
Styrene	**19.2**		µg/l		20.0	BRL	96	70-130	3	20
1,1,1,2-Tetrachloroethane	**23.0**		µg/l		20.0	BRL	115	70-130	4	20
1,1,2,2-Tetrachloroethane	**25.0**		µg/l		20.0	BRL	125	70-130	2	20
Tetrachloroethene	**22.1**		µg/l		20.0	BRL	110	70-130	8	20
Toluene	**21.1**		µg/l		20.0	BRL	105	70-130	7	20
1,2,3-Trichlorobenzene	**20.2**		µg/l		20.0	BRL	101	70-130	5	20
1,2,4-Trichlorobenzene	**20.1**		µg/l		20.0	BRL	101	70-130	3	20
1,3,5-Trichlorobenzene	**20.9**		µg/l		20.0	BRL	104	70-130	6	20
1,1,1-Trichloroethane	**20.9**		µg/l		20.0	BRL	105	70-130	8	20
1,1,2-Trichloroethane	**22.5**		µg/l		20.0	BRL	113	70-130	2	20
Trichloroethene	**19.2**		µg/l		20.0	BRL	96	70-130	6	20
Trichlorofluoromethane (Freon 11)	**17.6**		µg/l		20.0	BRL	88	70-130	9	20
1,2,3-Trichloropropane	**21.7**		µg/l		20.0	BRL	109	70-130	0.8	20
1,2,4-Trimethylbenzene	**19.1**		µg/l		20.0	BRL	96	70-130	4	20
1,3,5-Trimethylbenzene	**18.7**		µg/l		20.0	BRL	94	70-130	6	20
Vinyl chloride	**13.3**	QM7	µg/l		20.0	BRL	66	70-130	2	20
m,p-Xylene	**42.2**		µg/l		40.0	BRL	106	70-130	4	20
o-Xylene	**21.0**		µg/l		20.0	BRL	105	70-130	6	20
Tetrahydrofuran	**24.1**		µg/l		20.0	BRL	121	70-130	0.9	20
Ethyl ether	**16.8**		µg/l		20.0	BRL	84	70-130	3	20
Tert-amyl methyl ether	**17.8**		µg/l		20.0	BRL	89	70-130	0.9	20
Ethyl tert-butyl ether	**18.9**		µg/l		20.0	BRL	94	70-130	2	20
Di-isopropyl ether	**22.4**		µg/l		20.0	BRL	112	70-130	4	20
Tert-Butanol / butyl alcohol	**163**		µg/l		200	BRL	81	70-130	2	20
1,4-Dioxane	**219**		µg/l		200	BRL	109	70-130	0.2	20
trans-1,4-Dichloro-2-butene	**19.8**		µg/l		20.0	BRL	99	70-130	0.6	20
Ethanol	**346**		µg/l		400	BRL	86	70-130	3	20
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*51.5*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.8*		µg/l		*50.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*53.6*		µg/l		*50.0*		*107*	*70-130*		
Batch 1303698 - SW846 5030 Water MS										
Blank (1303698-BLK1)					Prepared & Analyzed: 14-Feb-13					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303698 - SW846 5030 Water MS										
Blank (1303698-BLK1)					Prepared & Analyzed: 14-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303698 - SW846 5030 Water MS										
Blank (1303698-BLK1)						Prepared & Analyzed: 14-Feb-13				
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*47.7*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*52.9*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.4*		µg/l		*50.0*		*113*	*70-130*		
Surrogate: Dibromofluoromethane	*53.2*		µg/l		*50.0*		*106*	*70-130*		
LCS (1303698-BS1)						Prepared & Analyzed: 14-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**26.7**	QM9	µg/l		20.0		134	70-130		
Acetone	**22.0**		µg/l		20.0		110	70-130		
Acrylonitrile	**22.6**		µg/l		20.0		113	70-130		
Benzene	**20.4**		µg/l		20.0		102	70-130		
Bromobenzene	**20.0**		µg/l		20.0		100	70-130		
Bromochloromethane	**21.2**		µg/l		20.0		106	70-130		
Bromodichloromethane	**24.1**		µg/l		20.0		120	70-130		
Bromoform	**24.0**		µg/l		20.0		120	70-130		
Bromomethane	**25.0**		µg/l		20.0		125	70-130		
2-Butanone (MEK)	**24.0**		µg/l		20.0		120	70-130		
n-Butylbenzene	**20.0**		µg/l		20.0		100	70-130		
sec-Butylbenzene	**19.9**		µg/l		20.0		99	70-130		
tert-Butylbenzene	**20.8**		µg/l		20.0		104	70-130		
Carbon disulfide	**23.2**		µg/l		20.0		116	70-130		
Carbon tetrachloride	**28.3**	QM9	µg/l		20.0		142	70-130		
Chlorobenzene	**19.6**		µg/l		20.0		98	70-130		
Chloroethane	**24.7**		µg/l		20.0		123	70-130		
Chloroform	**22.7**		µg/l		20.0		114	70-130		
Chloromethane	**20.4**		µg/l		20.0		102	70-130		
2-Chlorotoluene	**21.3**		µg/l		20.0		107	70-130		
4-Chlorotoluene	**21.4**		µg/l		20.0		107	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303698 - SW846 5030 Water MS										
LCS (1303698-BS1)					Prepared & Analyzed: 14-Feb-13					
1,2-Dibromo-3-chloropropane	**21.4**		µg/l		20.0		107	70-130		
Dibromochloromethane	**24.9**		µg/l		20.0		125	70-130		
1,2-Dibromoethane (EDB)	**23.0**		µg/l		20.0		115	70-130		
Dibromomethane	**21.0**		µg/l		20.0		105	70-130		
1,2-Dichlorobenzene	**19.2**		µg/l		20.0		96	70-130		
1,3-Dichlorobenzene	**21.6**		µg/l		20.0		108	70-130		
1,4-Dichlorobenzene	**18.8**		µg/l		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	**25.0**		µg/l		20.0		125	70-130		
1,1-Dichloroethane	**21.4**		µg/l		20.0		107	70-130		
1,2-Dichloroethane	**21.9**		µg/l		20.0		110	70-130		
1,1-Dichloroethene	**23.9**		µg/l		20.0		119	70-130		
cis-1,2-Dichloroethene	**19.6**		µg/l		20.0		98	70-130		
trans-1,2-Dichloroethene	**24.0**		µg/l		20.0		120	70-130		
1,2-Dichloropropane	**20.5**		µg/l		20.0		103	70-130		
1,3-Dichloropropane	**21.2**		µg/l		20.0		106	70-130		
2,2-Dichloropropane	**22.2**		µg/l		20.0		111	70-130		
1,1-Dichloropropene	**23.6**		µg/l		20.0		118	70-130		
cis-1,3-Dichloropropene	**22.1**		µg/l		20.0		110	70-130		
trans-1,3-Dichloropropene	**21.9**		µg/l		20.0		109	70-130		
Ethylbenzene	**21.1**		µg/l		20.0		106	70-130		
Hexachlorobutadiene	**22.0**		µg/l		20.0		110	70-130		
2-Hexanone (MBK)	**19.5**		µg/l		20.0		98	70-130		
Isopropylbenzene	**21.3**		µg/l		20.0		107	70-130		
4-Isopropyltoluene	**20.8**		µg/l		20.0		104	70-130		
Methyl tert-butyl ether	**23.7**		µg/l		20.0		119	70-130		
4-Methyl-2-pentanone (MIBK)	**22.3**		µg/l		20.0		111	70-130		
Methylene chloride	**24.3**		µg/l		20.0		121	70-130		
Naphthalene	**17.9**		µg/l		20.0		89	70-130		
n-Propylbenzene	**19.6**		µg/l		20.0		98	70-130		
Styrene	**20.3**		µg/l		20.0		102	70-130		
1,1,1,2-Tetrachloroethane	**24.1**		µg/l		20.0		121	70-130		
1,1,2,2-Tetrachloroethane	**20.7**		µg/l		20.0		104	70-130		
Tetrachloroethene	**23.3**		µg/l		20.0		116	70-130		
Toluene	**21.1**		µg/l		20.0		105	70-130		
1,2,3-Trichlorobenzene	**18.9**		µg/l		20.0		95	70-130		
1,2,4-Trichlorobenzene	**19.7**		µg/l		20.0		98	70-130		
1,3,5-Trichlorobenzene	**21.0**		µg/l		20.0		105	70-130		
1,1,1-Trichloroethane	**23.7**		µg/l		20.0		119	70-130		
1,1,2-Trichloroethane	**20.9**		µg/l		20.0		104	70-130		
Trichloroethene	**20.3**		µg/l		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	**26.2**	QM9	µg/l		20.0		131	70-130		
1,2,3-Trichloropropane	**20.7**		µg/l		20.0		103	70-130		
1,2,4-Trimethylbenzene	**22.6**		µg/l		20.0		113	70-130		
1,3,5-Trimethylbenzene	**22.1**		µg/l		20.0		110	70-130		
Vinyl chloride	**29.4**	QM9	µg/l		20.0		147	70-130		
m,p-Xylene	**41.8**		µg/l		40.0		104	70-130		
o-Xylene	**20.4**		µg/l		20.0		102	70-130		
Tetrahydrofuran	**18.0**		µg/l		20.0		90	70-130		
Ethyl ether	**22.5**		µg/l		20.0		113	70-130		
Tert-amyl methyl ether	**23.5**		µg/l		20.0		118	70-130		
Ethyl tert-butyl ether	**22.3**		µg/l		20.0		111	70-130		
Di-isopropyl ether	**19.9**		µg/l		20.0		100	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303698 - SW846 5030 Water MS										
LCS (1303698-BS1)						Prepared & Analyzed: 14-Feb-13				
Tert-Butanol / butyl alcohol	**218**		µg/l		200		109	70-130		
1,4-Dioxane	**218**		µg/l		200		109	70-130		
trans-1,4-Dichloro-2-butene	**22.1**		µg/l		20.0		111	70-130		
Ethanol	**464**		µg/l		400		116	70-130		
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*52.3*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.2*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*52.4*		µg/l		*50.0*		*105*	*70-130*		
LCS Dup (1303698-BSD1)						Prepared & Analyzed: 14-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**24.4**		µg/l		20.0		122	70-130	9	20
Acetone	**21.2**		µg/l		20.0		106	70-130	4	20
Acrylonitrile	**23.1**		µg/l		20.0		115	70-130	2	20
Benzene	**18.6**		µg/l		20.0		93	70-130	10	20
Bromobenzene	**18.9**		µg/l		20.0		95	70-130	6	20
Bromochloromethane	**20.7**		µg/l		20.0		104	70-130	3	20
Bromodichloromethane	**22.5**		µg/l		20.0		112	70-130	7	20
Bromoform	**23.0**		µg/l		20.0		115	70-130	4	20
Bromomethane	**24.4**		µg/l		20.0		122	70-130	3	20
2-Butanone (MEK)	**20.1**		µg/l		20.0		100	70-130	18	20
n-Butylbenzene	**17.7**		µg/l		20.0		88	70-130	12	20
sec-Butylbenzene	**18.2**		µg/l		20.0		91	70-130	9	20
tert-Butylbenzene	**18.3**		µg/l		20.0		92	70-130	13	20
Carbon disulfide	**20.1**		µg/l		20.0		101	70-130	14	20
Carbon tetrachloride	**24.6**		µg/l		20.0		123	70-130	14	20
Chlorobenzene	**17.9**		µg/l		20.0		90	70-130	9	20
Chloroethane	**21.6**		µg/l		20.0		108	70-130	13	20
Chloroform	**21.2**		µg/l		20.0		106	70-130	7	20
Chloromethane	**19.0**		µg/l		20.0		95	70-130	7	20
2-Chlorotoluene	**19.0**		µg/l		20.0		95	70-130	12	20
4-Chlorotoluene	**20.0**		µg/l		20.0		100	70-130	7	20
1,2-Dibromo-3-chloropropane	**22.1**		µg/l		20.0		110	70-130	3	20
Dibromochloromethane	**23.0**		µg/l		20.0		115	70-130	8	20
1,2-Dibromoethane (EDB)	**21.6**		µg/l		20.0		108	70-130	7	20
Dibromomethane	**20.8**		µg/l		20.0		104	70-130	0.8	20
1,2-Dichlorobenzene	**17.9**		µg/l		20.0		90	70-130	7	20
1,3-Dichlorobenzene	**19.9**		µg/l		20.0		100	70-130	8	20
1,4-Dichlorobenzene	**18.0**		µg/l		20.0		90	70-130	5	20
Dichlorodifluoromethane (Freon12)	**22.5**		µg/l		20.0		112	70-130	11	20
1,1-Dichloroethane	**19.5**		µg/l		20.0		97	70-130	10	20
1,2-Dichloroethane	**21.0**		µg/l		20.0		105	70-130	4	20
1,1-Dichloroethene	**20.6**		µg/l		20.0		103	70-130	15	20
cis-1,2-Dichloroethene	**18.9**		µg/l		20.0		94	70-130	3	20
trans-1,2-Dichloroethene	**22.0**		µg/l		20.0		110	70-130	9	20
1,2-Dichloropropane	**18.7**		µg/l		20.0		94	70-130	9	20
1,3-Dichloropropane	**20.0**		µg/l		20.0		100	70-130	6	20
2,2-Dichloropropane	**20.3**		µg/l		20.0		101	70-130	9	20
1,1-Dichloropropene	**20.2**		µg/l		20.0		101	70-130	15	20
cis-1,3-Dichloropropene	**20.3**		µg/l		20.0		102	70-130	8	20
trans-1,3-Dichloropropene	**21.4**		µg/l		20.0		107	70-130	2	20
Ethylbenzene	**18.9**		µg/l		20.0		94	70-130	11	20
Hexachlorobutadiene	**17.8**	QR2	µg/l		20.0		89	70-130	21	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303698 - SW846 5030 Water MS										
LCS Dup (1303698-BSD1)					Prepared & Analyzed: 14-Feb-13					
2-Hexanone (MBK)	**21.7**		µg/l		20.0		109	70-130	11	20
Isopropylbenzene	**18.9**		µg/l		20.0		94	70-130	12	20
4-Isopropyltoluene	**19.2**		µg/l		20.0		96	70-130	8	20
Methyl tert-butyl ether	**22.9**		µg/l		20.0		115	70-130	3	20
4-Methyl-2-pentanone (MIBK)	**21.9**		µg/l		20.0		109	70-130	2	20
Methylene chloride	**22.6**		µg/l		20.0		113	70-130	7	20
Naphthalene	**17.3**		µg/l		20.0		87	70-130	3	20
n-Propylbenzene	**17.7**		µg/l		20.0		89	70-130	10	20
Styrene	**18.7**		µg/l		20.0		93	70-130	8	20
1,1,1,2-Tetrachloroethane	**22.0**		µg/l		20.0		110	70-130	9	20
1,1,2,2-Tetrachloroethane	**19.8**		µg/l		20.0		99	70-130	5	20
Tetrachloroethene	**20.6**		µg/l		20.0		103	70-130	12	20
Toluene	**19.2**		µg/l		20.0		96	70-130	9	20
1,2,3-Trichlorobenzene	**16.4**		µg/l		20.0		82	70-130	14	20
1,2,4-Trichlorobenzene	**17.0**		µg/l		20.0		85	70-130	15	20
1,3,5-Trichlorobenzene	**18.5**		µg/l		20.0		92	70-130	13	20
1,1,1-Trichloroethane	**21.5**		µg/l		20.0		107	70-130	10	20
1,1,2-Trichloroethane	**20.1**		µg/l		20.0		101	70-130	4	20
Trichloroethene	**18.3**		µg/l		20.0		91	70-130	10	20
Trichlorofluoromethane (Freon 11)	**23.4**		µg/l		20.0		117	70-130	11	20
1,2,3-Trichloropropane	**20.2**		µg/l		20.0		101	70-130	2	20
1,2,4-Trimethylbenzene	**20.2**		µg/l		20.0		101	70-130	11	20
1,3,5-Trimethylbenzene	**19.7**		µg/l		20.0		99	70-130	11	20
Vinyl chloride	**25.2**		µg/l		20.0		126	70-130	15	20
m,p-Xylene	**37.3**		µg/l		40.0		93	70-130	11	20
o-Xylene	**19.1**		µg/l		20.0		95	70-130	7	20
Tetrahydrofuran	**20.3**		µg/l		20.0		101	70-130	12	20
Ethyl ether	**22.0**		µg/l		20.0		110	70-130	2	20
Tert-amyl methyl ether	**22.0**		µg/l		20.0		110	70-130	7	20
Ethyl tert-butyl ether	**21.3**		µg/l		20.0		106	70-130	5	20
Di-isopropyl ether	**19.0**		µg/l		20.0		95	70-130	5	20
Tert-Butanol / butyl alcohol	**231**		µg/l		200		116	70-130	6	20
1,4-Dioxane	**202**		µg/l		200		101	70-130	7	20
trans-1,4-Dichloro-2-butene	**21.3**		µg/l		20.0		107	70-130	4	20
Ethanol	**449**		µg/l		400		112	70-130	3	20
Surrogate: 4-Bromofluorobenzene	*51.8*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*51.9*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.4*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*52.5*		µg/l		*50.0*		*105*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303886 - SW846 3510C										
Blank (1303886-BLK2)					Prepared & Analyzed: 19-Feb-13					
Acenaphthene	< 0.050		µg/l	0.050						
Acenaphthylene	< 0.050		µg/l	0.050						
1-Methylnaphthalene	< 0.050		µg/l	0.050						
Anthracene	< 0.050		µg/l	0.050						
Benzo (a) anthracene	< 0.050		µg/l	0.050						
Benzo (a) pyrene	< 0.050		µg/l	0.050						
Benzo (b) fluoranthene	< 0.050		µg/l	0.050						
Benzo (g,h,i) perylene	< 0.050		µg/l	0.050						
Benzo (k) fluoranthene	< 0.050		µg/l	0.050						
Chrysene	< 0.050		µg/l	0.050						
Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050						
Fluoranthene	< 0.050		µg/l	0.050						
Fluorene	< 0.050		µg/l	0.050						
Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050						
2-Methylnaphthalene	< 0.050		µg/l	0.050						
Naphthalene	< 0.050		µg/l	0.050						
Phenanthrene	< 0.050		µg/l	0.050						
Pyrene	< 0.050		µg/l	0.050						
Surrogate: 2-Fluorobiphenyl	*33.2*		µg/l		*50.0*		*66*	*30-130*		
Surrogate: Terphenyl-dl4	*39.2*		µg/l		*50.0*		*78*	*30-130*		
LCS (1303886-BS2)					Prepared & Analyzed: 19-Feb-13					
Acenaphthene	**0.853**		µg/l	0.050	1.00		85	40-140		
Acenaphthylene	**0.860**		µg/l	0.050	1.00		86	40-140		
1-Methylnaphthalene	**0.861**		µg/l	0.050	1.00		86	40-140		
Anthracene	**0.976**		µg/l	0.050	1.00		98	40-140		
Benzo (a) anthracene	**1.02**		µg/l	0.050	1.00		102	40-140		
Benzo (a) pyrene	**1.04**		µg/l	0.050	1.00		104	40-140		
Benzo (b) fluoranthene	**1.05**		µg/l	0.050	1.00		105	40-140		
Benzo (g,h,i) perylene	**1.00**		µg/l	0.050	1.00		100	40-140		
Benzo (k) fluoranthene	**0.985**		µg/l	0.050	1.00		98	40-140		
Chrysene	**0.933**		µg/l	0.050	1.00		93	40-140		
Dibenzo (a,h) anthracene	**1.16**		µg/l	0.050	1.00		116	40-140		
Fluoranthene	**1.00**		µg/l	0.050	1.00		100	40-140		
Fluorene	**0.894**		µg/l	0.050	1.00		89	40-140		
Indeno (1,2,3-cd) pyrene	**1.07**		µg/l	0.050	1.00		107	40-140		
2-Methylnaphthalene	**0.846**		µg/l	0.050	1.00		85	40-140		
Naphthalene	**0.795**		µg/l	0.050	1.00		80	40-140		
Phenanthrene	**0.899**		µg/l	0.050	1.00		90	40-140		
Pyrene	**0.988**		µg/l	0.050	1.00		99	40-140		
Surrogate: 2-Fluorobiphenyl	*0.780*		µg/l		*1.00*		*78*	*30-130*		
Surrogate: Terphenyl-dl4	*1.02*		µg/l		*1.00*		*102*	*30-130*		
Matrix Spike (1303886-MS1)			**Source: SB64486-06**		Prepared & Analyzed: 19-Feb-13					
Acenaphthene	**0.914**		µg/l	0.050	1.05	BRL	87	40-140		
Acenaphthylene	**0.965**		µg/l	0.050	1.05	BRL	92	40-140		
1-Methylnaphthalene	**0.923**		µg/l	0.050	1.05	BRL	88	40-140		
Anthracene	**1.06**		µg/l	0.050	1.05	BRL	101	40-140		
Benzo (a) anthracene	**1.13**		µg/l	0.050	1.05	BRL	108	40-140		
Benzo (a) pyrene	**1.15**		µg/l	0.050	1.05	BRL	110	40-140		
Benzo (b) fluoranthene	**1.16**		µg/l	0.050	1.05	BRL	110	40-140		
Benzo (g,h,i) perylene	**1.08**		µg/l	0.050	1.05	BRL	103	40-140		
Benzo (k) fluoranthene	**1.07**		µg/l	0.050	1.05	BRL	102	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303886 - SW846 3510C										
Matrix Spike (1303886-MS1)			**Source: SB64486-06**		Prepared & Analyzed: 19-Feb-13					
Chrysene	**0.989**		µg/l	0.050	1.05	BRL	94	40-140		
Dibenzo (a,h) anthracene	**1.29**		µg/l	0.050	1.05	BRL	122	40-140		
Fluoranthene	**1.11**		µg/l	0.050	1.05	BRL	105	40-140		
Fluorene	**0.982**		µg/l	0.050	1.05	BRL	93	40-140		
Indeno (1,2,3-cd) pyrene	**1.27**		µg/l	0.050	1.05	BRL	121	40-140		
2-Methylnaphthalene	**0.922**		µg/l	0.050	1.05	BRL	88	40-140		
Naphthalene	**0.877**		µg/l	0.050	1.05	BRL	83	40-140		
Phenanthrene	**0.968**		µg/l	0.050	1.05	BRL	92	40-140		
Pyrene	**1.06**		µg/l	0.050	1.05	BRL	101	40-140		
Surrogate: 2-Fluorobiphenyl	*0.821*		µg/l		*1.05*		*78*	*30-130*		
Surrogate: Terphenyl-dl4	*1.08*		µg/l		*1.05*		*103*	*30-130*		
Matrix Spike Dup (1303886-MSD1)			**Source: SB64486-06**		Prepared & Analyzed: 19-Feb-13					
Acenaphthene	**0.875**		µg/l	0.050	1.04	BRL	84	40-140	3	20
Acenaphthylene	**0.898**		µg/l	0.050	1.04	BRL	86	40-140	6	20
1-Methylnaphthalene	**0.888**		µg/l	0.050	1.04	BRL	85	40-140	3	20
Anthracene	**0.980**		µg/l	0.050	1.04	BRL	94	40-140	7	20
Benzo (a) anthracene	**1.08**		µg/l	0.050	1.04	BRL	103	40-140	4	20
Benzo (a) pyrene	**1.04**		µg/l	0.050	1.04	BRL	100	40-140	9	20
Benzo (b) fluoranthene	**1.04**		µg/l	0.050	1.04	BRL	100	40-140	10	20
Benzo (g,h,i) perylene	**1.01**		µg/l	0.050	1.04	BRL	97	40-140	6	20
Benzo (k) fluoranthene	**0.972**		µg/l	0.050	1.04	BRL	93	40-140	9	20
Chrysene	**0.905**		µg/l	0.050	1.04	BRL	87	40-140	8	20
Dibenzo (a,h) anthracene	**1.20**		µg/l	0.050	1.04	BRL	115	40-140	6	20
Fluoranthene	**1.04**		µg/l	0.050	1.04	BRL	100	40-140	5	20
Fluorene	**0.917**		µg/l	0.050	1.04	BRL	88	40-140	6	20
Indeno (1,2,3-cd) pyrene	**1.13**		µg/l	0.050	1.04	BRL	109	40-140	11	20
2-Methylnaphthalene	**0.879**		µg/l	0.050	1.04	BRL	84	40-140	4	20
Naphthalene	**0.826**		µg/l	0.050	1.04	BRL	79	40-140	5	20
Phenanthrene	**0.935**		µg/l	0.050	1.04	BRL	90	40-140	2	20
Pyrene	**1.02**		µg/l	0.050	1.04	BRL	98	40-140	3	20
Surrogate: 2-Fluorobiphenyl	*0.802*		µg/l		*1.04*		*77*	*30-130*		
Surrogate: Terphenyl-dl4	*1.01*		µg/l		*1.04*		*97*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303677 - SW846 3510C										
Blank (1303677-BLK1)					Prepared: 14-Feb-13 Analyzed: 15-Feb-13					
Gasoline	< 0.2		mg/l	0.2						
Fuel Oil #2	< 0.2		mg/l	0.2						
Fuel Oil #4	< 0.2		mg/l	0.2						
Fuel Oil #6	< 0.2		mg/l	0.2						
Motor Oil	< 0.2		mg/l	0.2						
Aviation Fuel	< 0.2		mg/l	0.2						
Unidentified	< 0.2		mg/l	0.2						
Other Oil	< 0.2		mg/l	0.2						
Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2						
C9-C36 Aliphatic Hydrocarbons	< 0.1		mg/l	0.1						
n-Nonadecane	< 0.005		mg/l	0.005						
n-Nonane	< 0.005		mg/l	0.005						
n-Decane	< 0.005		mg/l	0.005						
n-Dodecane	< 0.005		mg/l	0.005						
n-Tetradecane	< 0.005		mg/l	0.005						
n-Hexadecane	< 0.005		mg/l	0.005						
n-Octadecane	< 0.005		mg/l	0.005						
n-Eicosane	< 0.005		mg/l	0.005						
n-Docosane	< 0.005		mg/l	0.005						
n-Tetracosane	< 0.005		mg/l	0.005						
n-Hexacosane	< 0.005		mg/l	0.005						
n-Octacosane	< 0.005		mg/l	0.005						
n-Triacontane	< 0.005		mg/l	0.005						
n-Hexatriacontane	< 0.005		mg/l	0.005						
Surrogate: 1-Chlorooctadecane	*0.0336*		mg/l		*0.0500*		*67*	*50-150*		
LCS (1303677-BS1)					Prepared: 14-Feb-13 Analyzed: 15-Feb-13					
C9-C36 Aliphatic Hydrocarbons	**1.0**		mg/l	0.2	1.40		72	60-120		
Surrogate: 1-Chlorooctadecane	*0.0395*		mg/l		*0.0500*		*79*	*50-150*		
Matrix Spike (1303677-MS1)			**Source: SB64486-06**		Prepared: 14-Feb-13 Analyzed: 15-Feb-13					
C9-C36 Aliphatic Hydrocarbons	**0.9**		mg/l	0.2	1.46	BRL	61	50-150		
Surrogate: 1-Chlorooctadecane	*0.0333*		mg/l		*0.0521*		*64*	*50-150*		
Matrix Spike Dup (1303677-MSD1)			**Source: SB64486-06**		Prepared: 14-Feb-13 Analyzed: 15-Feb-13					
C9-C36 Aliphatic Hydrocarbons	**0.9**		mg/l	0.2	1.46	BRL	61	50-150	0.2	30
Surrogate: 1-Chlorooctadecane	*0.0340*		mg/l		*0.0521*		*65*	*50-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303805 - SW846 3005A										
Blank (1303805-BLK1)					Prepared: 15-Feb-13 Analyzed: 20-Feb-13					
Sodium	< 0.250		mg/l	0.250						
Magnesium	< 0.0100		mg/l	0.0100						
Iron	< 0.0150		mg/l	0.0150						
Potassium	< 0.500		mg/l	0.500						
Manganese	< 0.0020		mg/l	0.0020						
Antimony	< 0.0060		mg/l	0.0060						
Lead	< 0.0075		mg/l	0.0075						
Nickel	< 0.0050		mg/l	0.0050						
Thallium	< 0.0050		mg/l	0.0050						
Calcium	< 0.100		mg/l	0.100						
Selenium	< 0.0150		mg/l	0.0150						
Vanadium	< 0.0050		mg/l	0.0050						
Zinc	< 0.0050		mg/l	0.0050						
Copper	< 0.0050		mg/l	0.0050						
Cadmium	< 0.0025		mg/l	0.0025						
Beryllium	< 0.0020		mg/l	0.0020						
Barium	< 0.0050		mg/l	0.0050						
Arsenic	< 0.0040		mg/l	0.0040						
Silver	< 0.0050		mg/l	0.0050						
Chromium	< 0.0050		mg/l	0.0050						
LCS (1303805-BS1)					Prepared: 15-Feb-13 Analyzed: 20-Feb-13					
Sodium	**6.35**		mg/l	0.250	6.25		102	85-115		
Manganese	**1.40**		mg/l	0.0020	1.25		112	85-115		
Iron	**1.38**		mg/l	0.0150	1.25		111	85-115		
Potassium	**12.4**		mg/l	0.500	12.5		99	85-115		
Magnesium	**1.28**		mg/l	0.0100	1.25		103	85-115		
Selenium	**1.27**		mg/l	0.0150	1.25		101	85-115		
Nickel	**1.22**		mg/l	0.0050	1.25		98	85-115		
Silver	**1.34**		mg/l	0.0050	1.25		107	85-115		
Zinc	**1.32**		mg/l	0.0050	1.25		105	85-115		
Thallium	**1.30**		mg/l	0.0050	1.25		104	85-115		
Antimony	**1.25**		mg/l	0.0060	1.25		100	85-115		
Lead	**1.29**		mg/l	0.0075	1.25		104	85-115		
Arsenic	**1.25**		mg/l	0.0040	1.25		100	85-115		
Chromium	**1.38**		mg/l	0.0050	1.25		110	85-115		
Cadmium	**1.29**		mg/l	0.0025	1.25		104	85-115		
Calcium	**6.70**		mg/l	0.100	6.25		107	85-115		
Beryllium	**1.43**		mg/l	0.0020	1.25		114	85-115		
Barium	**1.36**		mg/l	0.0050	1.25		109	85-115		
Copper	**1.32**		mg/l	0.0050	1.25		105	85-115		
Vanadium	**1.27**		mg/l	0.0050	1.25		102	85-115		
LCS Dup (1303805-BSD1)					Prepared: 15-Feb-13 Analyzed: 20-Feb-13					
Manganese	**1.42**		mg/l	0.0020	1.25		114	85-115	1	20
Sodium	**6.18**		mg/l	0.250	6.25		99	85-115	3	20
Magnesium	**1.29**		mg/l	0.0100	1.25		103	85-115	0.9	20
Potassium	**12.3**		mg/l	0.500	12.5		98	85-115	0.8	20
Iron	**1.39**		mg/l	0.0150	1.25		111	85-115	0.3	20
Lead	**1.31**		mg/l	0.0075	1.25		105	85-115	1	20
Antimony	**1.26**		mg/l	0.0060	1.25		101	85-115	0.5	20
Selenium	**1.27**		mg/l	0.0150	1.25		102	85-115	0.4	20
Vanadium	**1.28**		mg/l	0.0050	1.25		102	85-115	0.4	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303805 - SW846 3005A										
LCS Dup (1303805-BSD1)					Prepared: 15-Feb-13		Analyzed: 20-Feb-13			
Zinc	**1.33**		mg/l	0.0050	1.25		107	85-115	1	20
Arsenic	**1.26**		mg/l	0.0040	1.25		101	85-115	0.5	20
Thallium	**1.30**		mg/l	0.0050	1.25		104	85-115	0.08	20
Nickel	**1.23**		mg/l	0.0050	1.25		98	85-115	0.6	20
Copper	**1.33**		mg/l	0.0050	1.25		107	85-115	1	20
Chromium	**1.38**		mg/l	0.0050	1.25		110	85-115	0.1	20
Cadmium	**1.30**		mg/l	0.0025	1.25		104	85-115	0.7	20
Calcium	**6.80**		mg/l	0.100	6.25		109	85-115	2	20
Barium	**1.34**		mg/l	0.0050	1.25		107	85-115	1	20
Silver	**1.34**		mg/l	0.0050	1.25		107	85-115	0.2	20
Beryllium	**1.42**		mg/l	0.0020	1.25		114	85-115	0.6	20
Duplicate (1303805-DUP1)			**Source: SB64486-05**			Prepared: 15-Feb-13		Analyzed: 20-Feb-13		
Sodium	**4.45**		mg/l	0.250		5.00			11	20
Potassium	**3.63**		mg/l	0.500		3.90			7	20
Magnesium	**8.12**		mg/l	0.0100		8.40			3	20
Iron	**0.0786**	QR6	mg/l	0.0150		0.0636			21	20
Manganese	**0.0097**		mg/l	0.0020		0.0098			2	20
Nickel	< 0.0050		mg/l	0.0050		BRL				20
Zinc	**0.0231**		mg/l	0.0050		0.0232			0.6	20
Vanadium	< 0.0050		mg/l	0.0050		BRL				20
Thallium	< 0.0050		mg/l	0.0050		BRL				20
Selenium	< 0.0150		mg/l	0.0150		BRL				20
Antimony	< 0.0060		mg/l	0.0060		BRL				20
Lead	< 0.0075		mg/l	0.0075		BRL				20
Copper	**0.0022**	J,QR8	mg/l	0.0050		0.0017			23	20
Silver	< 0.0050		mg/l	0.0050		BRL				20
Cadmium	< 0.0025		mg/l	0.0025		BRL				20
Calcium	**49.0**		mg/l	0.100		50.1			2	20
Beryllium	< 0.0020		mg/l	0.0020		BRL				20
Barium	**0.0708**		mg/l	0.0050		0.0773			9	20
Arsenic	< 0.0040		mg/l	0.0040		BRL				20
Chromium	< 0.0050		mg/l	0.0050		BRL				20
Matrix Spike (1303805-MS1)			**Source: SB64486-06**			Prepared: 15-Feb-13		Analyzed: 20-Feb-13		
Sodium	**617**	D	mg/l	2.50	6.25	610	104	75-125		
Potassium	**28.2**		mg/l	0.500	12.5	15.1	105	75-125		
Manganese	**11.8**	D	mg/l	0.0200	1.25	10.7	82	75-125		
Magnesium	**29.4**	QM2	mg/l	0.0100	1.25	28.9	41	75-125		
Iron	**11.5**		mg/l	0.0150	1.25	10.5	79	75-125		
Nickel	**1.13**		mg/l	0.0050	1.25	0.0026	90	75-125		
Lead	**1.19**		mg/l	0.0075	1.25	BRL	95	75-125		
Antimony	**1.29**		mg/l	0.0060	1.25	BRL	103	75-125		
Selenium	**1.33**		mg/l	0.0150	1.25	0.0034	106	75-125		
Thallium	**1.25**		mg/l	0.0050	1.25	0.0076	100	75-125		
Vanadium	**1.28**		mg/l	0.0050	1.25	BRL	102	70-130		
Arsenic	**1.34**		mg/l	0.0040	1.25	0.0047	106	75-125		
Zinc	**1.26**		mg/l	0.0050	1.25	0.0071	100	75-125		
Chromium	**1.34**		mg/l	0.0050	1.25	BRL	107	75-125		
Cadmium	**1.23**		mg/l	0.0025	1.25	BRL	99	75-125		
Calcium	**148**	QM2	mg/l	0.100	6.25	148	-4	75-125		
Barium	**2.13**		mg/l	0.0050	1.25	0.834	104	75-125		
Silver	**1.46**		mg/l	0.0050	1.25	BRL	117	75-125		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303805 - SW846 3005A										
Matrix Spike (1303805-MS1)			**Source: SB64486-06**		Prepared: 15-Feb-13	Analyzed: 20-Feb-13				
Copper	**1.35**		mg/l	0.0050	1.25	BRL	108	75-125		
Beryllium	**1.45**		mg/l	0.0020	1.25	BRL	116	75-125		
Matrix Spike Dup (1303805-MSD1)			**Source: SB64486-06**		Prepared: 15-Feb-13	Analyzed: 20-Feb-13				
Iron	**11.7**		mg/l	0.0150	1.25	10.5	94	75-125	2	20
Potassium	**28.3**		mg/l	0.500	12.5	15.1	105	75-125	0.2	20
Magnesium	**29.8**	QM2	mg/l	0.0100	1.25	28.9	72	75-125	1	20
Sodium	**596**	QM2, D	mg/l	2.50	6.25	610	-232	75-125	3	20
Manganese	**12.1**	D	mg/l	0.0200	1.25	10.7	106	75-125	3	20
Antimony	**1.28**		mg/l	0.0060	1.25	BRL	103	75-125	0.6	20
Zinc	**1.25**		mg/l	0.0050	1.25	0.0071	100	75-125	0.2	20
Vanadium	**1.30**		mg/l	0.0050	1.25	BRL	104	70-130	2	20
Thallium	**1.25**		mg/l	0.0050	1.25	0.0076	100	75-125	0.2	20
Lead	**1.18**		mg/l	0.0075	1.25	BRL	95	75-125	0.4	20
Selenium	**1.32**		mg/l	0.0150	1.25	0.0034	105	75-125	0.8	20
Barium	**2.12**		mg/l	0.0050	1.25	0.834	103	75-125	0.8	20
Nickel	**1.13**		mg/l	0.0050	1.25	0.0026	90	75-125	0.04	20
Calcium	**151**	QM2	mg/l	0.100	6.25	148	39	75-125	2	20
Chromium	**1.37**		mg/l	0.0050	1.25	BRL	109	75-125	2	20
Silver	**1.49**		mg/l	0.0050	1.25	BRL	120	75-125	2	20
Arsenic	**1.33**		mg/l	0.0040	1.25	0.0047	106	75-125	0.7	20
Beryllium	**1.47**		mg/l	0.0020	1.25	BRL	118	75-125	1	20
Cadmium	**1.23**		mg/l	0.0025	1.25	BRL	99	75-125	0.08	20
Copper	**1.38**		mg/l	0.0050	1.25	BRL	110	75-125	2	20
Post Spike (1303805-PS1)			**Source: SB64486-06**		Prepared: 15-Feb-13	Analyzed: 20-Feb-13				
Sodium	**610**	QM2, D	mg/l	2.50	6.25	610	0	80-120		
Manganese	**11.9**	D	mg/l	0.0200	1.25	10.7	92	80-120		
Magnesium	**27.6**	QM2	mg/l	0.0100	1.25	28.9	-101	80-120		
Potassium	**27.6**		mg/l	0.500	12.5	15.1	100	80-120		
Iron	**10.8**	QM4X	mg/l	0.0150	1.25	10.5	24	80-120		
Beryllium	**1.53**	QC2	mg/l	0.0020	1.25	BRL	122	80-120		
Barium	**2.18**		mg/l	0.0050	1.25	0.834	107	80-120		
Calcium	**139**	QM2	mg/l	0.100	6.25	148	-147	80-120		
Silver	**1.47**		mg/l	0.0050	1.25	BRL	118	80-120		
Arsenic	**1.37**		mg/l	0.0040	1.25	0.0047	109	80-120		
Zinc	**1.30**		mg/l	0.0050	1.25	0.0071	104	80-120		
Chromium	**1.41**		mg/l	0.0050	1.25	BRL	113	80-120		
Copper	**1.38**		mg/l	0.0050	1.25	BRL	110	80-120		
Nickel	**1.18**		mg/l	0.0050	1.25	0.0026	95	80-120		
Lead	**1.22**		mg/l	0.0075	1.25	BRL	98	80-120		
Antimony	**1.32**		mg/l	0.0060	1.25	BRL	106	80-120		
Selenium	**1.35**		mg/l	0.0150	1.25	0.0034	108	80-120		
Thallium	**1.29**		mg/l	0.0050	1.25	0.0076	103	80-120		
Vanadium	**1.32**		mg/l	0.0050	1.25	BRL	106	80-120		
Cadmium	**1.28**		mg/l	0.0025	1.25	BRL	102	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303808 - EPA200/SW7000 Series										
Blank (1303808-BLK1)					Prepared: 15-Feb-13	Analyzed: 19-Feb-13				
Mercury	< 0.00020		mg/l	0.00020						
LCS (1303808-BS1)					Prepared: 15-Feb-13	Analyzed: 19-Feb-13				
Mercury	**0.00508**		mg/l	0.00020	0.00500		102	85-115		
Duplicate (1303808-DUP1)			**Source: SB64486-05**		Prepared: 15-Feb-13	Analyzed: 19-Feb-13				
Mercury	< 0.00020		mg/l	0.00020		BRL				20
Matrix Spike (1303808-MS1)			**Source: SB64486-06**		Prepared: 15-Feb-13	Analyzed: 19-Feb-13				
Mercury	**0.00536**		mg/l	0.00020	0.00500	BRL	107	80-120		
Matrix Spike Dup (1303808-MSD1)			**Source: SB64486-06**		Prepared: 15-Feb-13	Analyzed: 19-Feb-13				
Mercury	**0.00543**		mg/l	0.00020	0.00500	BRL	109	80-120	1	20
Post Spike (1303808-PS1)			**Source: SB64486-06**		Prepared: 15-Feb-13	Analyzed: 19-Feb-13				
Mercury	**0.00514**		mg/l	0.00020	0.00500	BRL	103	85-115		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303538 - General Preparation										
Blank (1303538-BLK1)					Prepared & Analyzed: 13-Feb-13					
Chloride	< 1.00		mg/l	1.00						
Nitrite as N	< 0.100		mg/l	0.100						
Sulfate as SO4	< 1.00		mg/l	1.00						
Nitrate as N	< 0.100		mg/l	0.100						
LCS (1303538-BS1)					Prepared & Analyzed: 13-Feb-13					
Sulfate as SO4	**20.3**		mg/l	1.00	20.0		101	90-110		
Chloride	**20.3**		mg/l	1.00	20.0		102	90-110		
Nitrite as N	**2.06**		mg/l	0.100	2.00		103	90-110		
Nitrate as N	**1.93**		mg/l	0.100	2.00		96	90-110		
Reference (1303538-SRM1)					Prepared & Analyzed: 13-Feb-13					
Sulfate as SO4	**25.8**		mg/l	1.00	25.0		103	90-110		
Nitrite as N	**2.64**		mg/l	0.100	2.50		106	90-110		
Chloride	**26.3**		mg/l	1.00	25.0		105	90-110		
Nitrate as N	**2.47**		mg/l	0.100	2.50		99	90-110		
Batch 1303668 - General Preparation										
Blank (1303668-BLK1)					Prepared: 13-Feb-13 Analyzed: 14-Feb-13					
Chloride	< 1.00		mg/l	1.00						
Nitrite as N	< 0.100		mg/l	0.100						
Sulfate as SO4	< 1.00		mg/l	1.00						
Nitrate as N	< 0.100		mg/l	0.100						
LCS (1303668-BS1)					Prepared: 13-Feb-13 Analyzed: 14-Feb-13					
Chloride	**21.0**		mg/l	1.00	20.0		105	90-110		
Nitrite as N	**2.10**		mg/l	0.100	2.00		105	90-110		
Sulfate as SO4	**20.6**		mg/l	1.00	20.0		103	90-110		
Nitrate as N	**1.98**		mg/l	0.100	2.00		99	90-110		
Duplicate (1303668-DUP1)			**Source: SB64486-06**		Prepared: 13-Feb-13 Analyzed: 14-Feb-13					
Chloride	**1140**	GS1, D	mg/l	5.00		1140			0.3	20
Nitrite as N	< 0.500	R01, D	mg/l	0.500		BRL				20
Sulfate as SO4	**23.8**	R01, D	mg/l	5.00		25.8			8	20
Nitrate as N	**0.450**	J,R01, D	mg/l	0.500		0.400			12	20
Matrix Spike (1303668-MS1)			**Source: SB64486-06**		Prepared: 13-Feb-13 Analyzed: 14-Feb-13					
Sulfate as SO4	**43.8**		mg/l	5.00	20.0	25.8	90	90-110		
Chloride	**1130**	QM4X	mg/l	5.00	20.0	1140	-19	90-110		
Nitrite as N	**2.25**	QM7	mg/l	0.500	2.00	BRL	112	90-110		
Nitrate as N	**1.90**	QM7	mg/l	0.500	2.00	0.400	75	90-110		
Matrix Spike Dup (1303668-MSD1)			**Source: SB64486-06**		Prepared: 13-Feb-13 Analyzed: 14-Feb-13					
Nitrite as N	**2.25**	QM7	mg/l	0.500	2.00	BRL	112	90-110	0	20
Chloride	**1140**	QM4X	mg/l	5.00	20.0	1140	0.2	90-110	0.3	20
Sulfate as SO4	**44.4**		mg/l	5.00	20.0	25.8	93	90-110	1	20
Nitrate as N	**1.85**	QM7	mg/l	0.500	2.00	0.400	72	90-110	3	20
Reference (1303668-SRM1)					Prepared: 13-Feb-13 Analyzed: 14-Feb-13					
Sulfate as SO4	**25.3**		mg/l	1.00	25.0		101	90-110		
Chloride	**26.0**		mg/l	1.00	25.0		104	90-110		
Nitrite as N	**2.62**		mg/l	0.100	2.50		105	90-110		
Nitrate as N	**2.38**		mg/l	0.100	2.50		95	90-110		
Batch 1303739 - General Preparation										
Blank (1303739-BLK1)					Prepared & Analyzed: 14-Feb-13					
Chloride	< 1.00		mg/l	1.00						
Nitrite as N	< 0.100		mg/l	0.100						
LCS (1303739-BS1)					Prepared & Analyzed: 14-Feb-13					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303739 - General Preparation										
LCS (1303739-BS1)						Prepared & Analyzed: 14-Feb-13				
Nitrite as N	**2.05**		mg/l	0.100	2.00		102	90-110		
Chloride	**20.6**		mg/l	1.00	20.0		103	90-110		
Duplicate (1303739-DUP2)				Source: SB64486-06		Prepared & Analyzed: 14-Feb-13				
Chloride	**1270**	GS1, D	mg/l	50.0		1260			0.6	20
Nitrite as N	**3.50**	J,R01, D	mg/l	5.00		BRL				20
Matrix Spike (1303739-MS2)				Source: SB64486-06		Prepared & Analyzed: 14-Feb-13				
Nitrite as N	**19.0**		mg/l	5.00	20.0	BRL	95	90-110		
Chloride	**1440**		mg/l	50.0	200	1260	92	90-110		
Matrix Spike Dup (1303739-MSD2)				Source: SB64486-06		Prepared & Analyzed: 14-Feb-13				
Chloride	**1450**		mg/l	50.0	200	1260	93	90-110	0.2	20
Nitrite as N	**19.5**		mg/l	5.00	20.0	BRL	98	90-110	3	20
Reference (1303739-SRM1)						Prepared & Analyzed: 14-Feb-13				
Chloride	**25.4**		mg/l	1.00	25.0		102	90-110		
Nitrite as N	**2.53**		mg/l	0.100	2.50		101	90-110		
Batch 1303853 - General Preparation										
Blank (1303853-BLK1)						Prepared & Analyzed: 15-Feb-13				
Sulfide	< 0.100		mg/l	0.100						
LCS (1303853-BS1)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.490**		mg/l	0.100	0.500		98	80-120		
Calibration Blank (1303853-CCB1)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.00**		mg/l							
Calibration Blank (1303853-CCB2)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.00**		mg/l							
Calibration Blank (1303853-CCB3)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.00**		mg/l							
Calibration Blank (1303853-CCB4)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.0120**		mg/l							
Calibration Check (1303853-CCV1)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.491**		mg/l	0.100	0.500		98	90-110		
Calibration Check (1303853-CCV2)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.489**		mg/l	0.100	0.500		98	90-110		
Calibration Check (1303853-CCV3)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.489**		mg/l	0.100	0.500		98	90-110		
Calibration Check (1303853-CCV4)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.489**		mg/l	0.100	0.500		98	90-110		
Duplicate (1303853-DUP1)				Source: SB64486-06		Prepared & Analyzed: 15-Feb-13				
Sulfide	< 0.100		mg/l	0.100		BRL				20
Matrix Spike (1303853-MS1)				Source: SB64486-06		Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.495**		mg/l	0.100	0.500	BRL	99	70-130		
Matrix Spike Dup (1303853-MSD1)				Source: SB64486-06		Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.495**		mg/l	0.100	0.500	BRL	99	70-130	0	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S213327				
Initial Cal Check (S213327-ICV1)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	4.172451E+08	-0.7	30
n-Nonadecane	3.745961E+08	3.59851E+08	-3.9	30
n-Nonane	3.518477E+08	3.302035E+08	-6.2	30
n-Decane	3.529094E+08	3.288622E+08	-6.8	30
n-Dodecane	3.518164E+08	3.322097E+08	-5.6	30
n-Tetradecane	3.572305E+08	3.375628E+08	-5.5	30
n-Hexadecane	3.744608E+08	3.467755E+08	-7.4	30
n-Octadecane	3.788767E+08	3.559894E+08	-6.0	30
n-Eicosane	3.823902E+08	3.589655E+08	-6.1	30
n-Docosane	3.820764E+08	3.633782E+08	-4.9	30
n-Tetracosane	3.827095E+08	3.647666E+08	-4.7	30
n-Hexacosane	3.827387E+08	3.658727E+08	-4.4	30
n-Octacosane	3.778821E+08	3.551134E+08	-6.0	30
n-Triacontane	3.760388E+08	3.625737E+08	-3.6	30
n-Hexatriacontane	3.596146E+08	3.377967E+08	-6.1	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301848				
Calibration Check (S301848-CCV1)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	4.03827E+08	-4.1	30
n-Nonadecane	3.745961E+08	3.848315E+08	2.7	30
n-Nonane	3.518477E+08	3.522733E+08	0.1	30
n-Decane	3.529094E+08	3.489881E+08	-1.1	30
n-Dodecane	3.518164E+08	3.421837E+08	-2.7	30
n-Tetradecane	3.572305E+08	3.672434E+08	2.8	30
n-Hexadecane	3.744608E+08	3.822288E+08	2.1	30
n-Octadecane	3.788767E+08	3.870152E+08	2.1	30
n-Eicosane	3.823902E+08	3.885452E+08	1.6	30
n-Docosane	3.820764E+08	3.815959E+08	-0.1	30
n-Tetracosane	3.827095E+08	3.784257E+08	-1.1	30
n-Hexacosane	3.827387E+08	3.796587E+08	-0.8	30
n-Octacosane	3.778821E+08	3.75557E+08	-0.6	30
n-Triacontane	3.760388E+08	3.749489E+08	-0.3	30
n-Hexatriacontane	3.596146E+08	3.732059E+08	3.8	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301848				
Calibration Check (S301848-CCV2)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.722921E+08	-12.0	30
n-Nonadecane	3.745961E+08	3.425971E+08	-8.5	30
n-Nonane	3.518477E+08	3.640846E+08	3.5	30
n-Decane	3.529094E+08	3.523044E+08	-0.2	30
n-Dodecane	3.518164E+08	3.380873E+08	-3.9	30
n-Tetradecane	3.572305E+08	3.477626E+08	-2.7	30
n-Hexadecane	3.744608E+08	3.506485E+08	-6.4	30
n-Octadecane	3.788767E+08	3.492189E+08	-7.8	30
n-Eicosane	3.823902E+08	3.419612E+08	-10.6	30
n-Docosane	3.820764E+08	3.309508E+08	-13.4	30
n-Tetracosane	3.827095E+08	3.268273E+08	-14.6	30
n-Hexacosane	3.827387E+08	3.263216E+08	-14.7	30
n-Octacosane	3.778821E+08	3.183456E+08	-15.8	30
n-Triacontane	3.760388E+08	3.127078E+08	-16.8	30
n-Hexatriacontane	3.596146E+08	3.031023E+08	-15.7	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301849				
Calibration Check (S301849-CCV1)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.454982E+08	-18.7	30
n-Nonadecane	3.745961E+08	3.154489E+08	-15.8	30
n-Nonane	3.518477E+08	3.030654E+08	-13.9	30
n-Decane	3.529094E+08	2.923714E+08	-17.2	30
n-Dodecane	3.518164E+08	2.819954E+08	-19.8	30
n-Tetradecane	3.572305E+08	3.048428E+08	-14.7	30
n-Hexadecane	3.744608E+08	3.115616E+08	-16.8	30
n-Octadecane	3.788767E+08	3.173642E+08	-16.2	30
n-Eicosane	3.823902E+08	3.185419E+08	-16.7	30
n-Docosane	3.820764E+08	3.136172E+08	-17.9	30
n-Tetracosane	3.827095E+08	3.113158E+08	-18.7	30
n-Hexacosane	3.827387E+08	3.109544E+08	-18.8	30
n-Octacosane	3.778821E+08	3.046501E+08	-19.4	30
n-Triacontane	3.760388E+08	3.012743E+08	-19.9	30
n-Hexatriacontane	3.596146E+08	2.922188E+08	-18.7	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301849				
Calibration Check (S301849-CCV2)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.393666E+08	-20.3	30
n-Nonadecane	3.745961E+08	3.134032E+08	-16.3	30
n-Nonane	3.518477E+08	2.905959E+08	-17.4	30
n-Decane	3.529094E+08	2.805629E+08	-20.5	30
n-Dodecane	3.518164E+08	2.695665E+08	-23.4	30
n-Tetradecane	3.572305E+08	3.009552E+08	-15.8	30
n-Hexadecane	3.744608E+08	3.104336E+08	-17.1	30
n-Octadecane	3.788767E+08	3.140906E+08	-17.1	30
n-Eicosane	3.823902E+08	3.1746E+08	-17.0	30
n-Docosane	3.820764E+08	3.152304E+08	-17.5	30
n-Tetracosane	3.827095E+08	3.164577E+08	-17.3	30
n-Hexacosane	3.827387E+08	3.190141E+08	-16.6	30
n-Octacosane	3.778821E+08	3.13825E+08	-17.0	30
n-Triacontane	3.760388E+08	3.108031E+08	-17.3	30
n-Hexatriacontane	3.596146E+08	3.002292E+08	-16.5	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301849				
Calibration Check (S301849-CCV3)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.463534E+08	-18.5	30
n-Nonadecane	3.745961E+08	3.316984E+08	-11.5	30
n-Nonane	3.518477E+08	3.004991E+08	-14.6	30
n-Decane	3.529094E+08	2.909245E+08	-17.6	30
n-Dodecane	3.518164E+08	2.81932E+08	-19.9	30
n-Tetradecane	3.572305E+08	3.148619E+08	-11.9	30
n-Hexadecane	3.744608E+08	3.269677E+08	-12.7	30
n-Octadecane	3.788767E+08	3.324904E+08	-12.2	30
n-Eicosane	3.823902E+08	3.357523E+08	-12.2	30
n-Docosane	3.820764E+08	3.327294E+08	-12.9	30
n-Tetracosane	3.827095E+08	3.332213E+08	-12.9	30
n-Hexacosane	3.827387E+08	3.360314E+08	-12.2	30
n-Octacosane	3.778821E+08	3.310426E+08	-12.4	30
n-Triacontane	3.760388E+08	3.284436E+08	-12.7	30
n-Hexatriacontane	3.596146E+08	3.181253E+08	-11.5	30

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
R01	The Reporting Limit has been raised to account for matrix interference.
V11	Data confirmed with duplicate analysis.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Rebecca Merz

SB644486

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling: 5 day
☒ Standard TAT - ~~7 to 10 business days~~
☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise Drive
Rocky Hill CT

Telephone #: 860 263 5800
Project Mgr. Malcolm Beeler

Invoice To: Same.

P.O. No.: _____ RQN: _____

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich State: CT
Sampler(s): MR / JT

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 11= ice 12= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☒
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs	ETPH	PAHs	Metals - CT RCP	Sulfide	Nitrate, Sulfate, Chloride, K, Fe, Mn, Mg, Ca, Na	Carb + Bicarb Alkalinity	
										2	11	11	4	5	11	4	11
644486-01	MW-Y26-021213-1	2/12/13	1630	G	GW	3	3		2	X	X	X	X	X	X	X	X
02	MW-AA19-021213-1	2/12/13	1545	G	GW	3	3		2	X	X	X	X	X	X	X	X
03	MW-25-021313-1	2/13/13	0830	G	GW	3	3		2	X	X	X	X	X	X	X	X
04	MW-F35-021313-1	2/13/13	1000	G	GW	3	3		2	X	X	X	X	X	X	X	X
05	MW-R20-021313-1	2/13/13	1115	G	GW	3	3		2	X	X	X	X	X	X	X	X
06	MW-L25-021313-1	2/13/13	1050	G	GW	9	7		6	X	X	X	X	X	X	X	X
	~~MW-T23-021313-1~~	~~2/13/13~~	~~1230~~	~~G~~	~~GW~~	~~3~~	~~3~~		~~2~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~
07	MW-P7-021313-1	2/13/13	1345	G	GW	3	3		2	X	X	X	X	X	X	X	X
08	MW-35-021313-1	2/13/13	0845	G	GW	3	3		2	X	X	X	X	X	X	X	X
09	MW-S15-021313-1	2/13/13	1420	G	GW	3	3		2	X	X	X	X	X	X	X	X

GWRE + SWPC

Sulfate

MS/MSD

MR 2/13/13

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	2-13-13	3:10	
[signature]	[signature]	2/13/13	1750	1.6

☒ EDD Format equis
☐ E-mail to colleen.sich@aecom.com
malcolm.beeler@aecom.com

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

3B64486 JB

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling: 5
☒ Standard TAT - ~~7 to 10~~ business days
☐ Rush TAT - Date Needed: _____
· All TATs subject to laboratory approval.
· Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: AEcom
Telephone #: 860 263 5700
Project Mgr. Malcolm Beeler

Invoice To: AEcom
P.O. No.: _____ RQN: _____

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich State: CT
Sampler(s): MR / JT

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 11= ice 12= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☒
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs	ETPH	PAH	GRP Metals	Sulfide	Nitrate, Nitrite, Sulfate, chloride	K, Fe, Mn, Mg, Ca, Na	Carbon + Bicarb Alkalinity	
											2	11	11	4	5	11	4	11	
6448610	MW-SIS-021313-2	2/13/13	1445	G	GW	3	3		2		X	X	X	X	X	X	X	X	Grab + Sample
↓ 11	Trip Blank	2/13/13		G	AQ	1					X								

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	2-13-13	3:10	
[signature]	SCH	2/13/13	1750	1.6

☒ EDD Format equis
☒ E-mail to colleen.scott@aecom.com
malcolm.beeler@aecom.com

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
22-Feb-13 14:05

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

AECOM Environment
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067
Attn: Malcolm Beeler

Project: Greenwich HS - Greenwich, CT
Project #: 60225155

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB64588-01	MW-P11-021313-1	Ground Water	13-Feb-13 16:00	14-Feb-13 18:00
SB64588-02	MW-T23-021313-1	Ground Water	14-Feb-13 07:30	14-Feb-13 18:00
SB64588-03	MW-V12-021413-1	Ground Water	14-Feb-13 09:00	14-Feb-13 18:00
SB64588-04	MW-AE8-021413-1	Ground Water	14-Feb-13 10:30	14-Feb-13 18:00
SB64588-05	MW-Y9-021413-1	Ground Water	14-Feb-13 11:30	14-Feb-13 18:00
SB64588-06	MW-Y15-021413-1	Ground Water	14-Feb-13 12:45	14-Feb-13 18:00
SB64588-07	MW-AH16-021413-1	Ground Water	14-Feb-13 14:00	14-Feb-13 18:00
SB64588-08	MW-AG10-021413-1	Ground Water	14-Feb-13 10:30	14-Feb-13 18:00
SB64588-09	MW-AJ13-021413-1	Ground Water	14-Feb-13 12:45	14-Feb-13 18:00
SB64588-10	MW-AJ13-021413-2	Ground Water	14-Feb-13 13:20	14-Feb-13 18:00
SB64588-11	Trip Blank	Aqueous	14-Feb-13 00:00	14-Feb-13 18:00
SB64588-12	MW-T23-021313-1	Ground Water	13-Feb-13 12:30	14-Feb-13 18:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 101 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: AECOM Environment - Rocky Hill, CT

Project Location: Greenwich HS - Greenwich, CT

Project Number: 60225155

Sampling Date(s):
2/13/2013 through 2/14/2013

Laboratory Sample ID(s):
SB64588-01 through SB64588-12

RCP Methods Used:

CT ETPH
EPA 245.1/7470A
SW846 6010C
SW846 8260C
SW846 8270D SIM

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	Yes	✓ No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	✓ Yes ✓ Yes	No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes	✓ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 2/22/2013

CASE NARRATIVE:

The samples were received 0.7 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult.

Due to possible microbial action or loss or gain of gases when the sample is exposed to air, the sampling recommendation for alkalinity or acidity suggests a separate bottle filled completely and capped tightly. When possible, testing for alkalinity or acidity is performed as soon as possible from the designated unopened, full container.

Effective 8/8/2012, the reporting limit for CT ETPH has been raised as proposed by the CT DEP from 0.100 mg/L to 0.200 mg/L for aqueous samples. This Reporting Limit is still lower than the CT DEP proposed Reporting Limit of 0.250 mg/L.

SW846 8260 Case Narrative:

SB64588-03, client ID MW-V12-021413-1, has an inconsistent matrix / pH issues between the vials submitted.

The analyst analyzed the vial internally identified as A without dilution and Acetone recovered with an estimated value of 59ppb; the pH was high and qualified in this vial.

The vial internally identified as B was analyzed using a 5x dilution factor and Acetone did not match the original value; the B vial had a pH <2.

The A vial was reanalyzed, however Acetone recovered at a much higher concentration than in the original analysis at 176ppb. The analyst confirmed that the original analysis was performed without dilution. All three sets of data are included in this report.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

CT ETPH

Samples:

SB64588-07 *MW-AH16-021413-1*

Sample does not display a fuel pattern. Sample contains several discreet peaks.

Total Petroleum Hydrocarbons

EPA 300.0

EPA 300.0

Spikes:

1303758-MS2 *Source: SB64588-01*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Nitrate as N

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Chloride
Sulfate as SO4

1303758-MSD2 *Source: SB64588-01*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Nitrate as N

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Sulfate as SO4

Samples:

SB64588-01 *MW-P11-021313-1*

The Reporting Limit has been raised to account for matrix interference.

Nitrite as N

SB64588-02 *MW-T23-021313-1*

The Reporting Limit has been raised to account for matrix interference.

Chloride
Nitrate as N
Nitrite as N
Sulfate as SO4

SB64588-03 *MW-V12-021413-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

The Reporting Limit has been raised to account for matrix interference.

Nitrate as N
Nitrite as N
Sulfate as SO4

SB64588-04 *MW-AE8-021413-1*

The Reporting Limit has been raised to account for matrix interference.

Chloride
Nitrate as N
Nitrite as N
Sulfate as SO4

SB64588-05 *MW-Y9-021413-1*

EPA 300.0

Samples:

SB64588-05 *MW-Y9-021413-1*

The Reporting Limit has been raised to account for matrix interference.

Chloride
Nitrate as N
Nitrite as N
Sulfate as SO4

SB64588-06 *MW-Y15-021413-1*

Sample was originally analyzed within hold time; however, it was determined that positive interference was contributing to the sample result. The sample was reanalyzed at a dilution to eliminate the interference.

Nitrite as N

The Reporting Limit has been raised to account for matrix interference.

Chloride
Nitrate as N
Sulfate as SO4

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Nitrite as N

SB64588-06RE1 *MW-Y15-021413-1*

The Reporting Limit has been raised to account for matrix interference.

Nitrite as N

The sample was originally analyzed within the EPA recommended hold time. In order to be within the calibration range, a dilution was required. The reported value was reanalyzed beyond the recommended hold time.

Nitrite as N

SB64588-07 *MW-AH16-021413-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride

The Reporting Limit has been raised to account for matrix interference.

Nitrite as N

SB64588-08 *MW-AG10-021413-1*

The Reporting Limit has been raised to account for matrix interference.

Chloride
Nitrate as N
Nitrite as N
Sulfate as SO4

SW846 6010C

Samples:

SB64588-07 *MW-AH16-021413-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Magnesium

SW846 8260C

SW846 8260C

Calibration:

1301022

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
Dibromochloromethane
Naphthalene
n-Butylbenzene
sec-Butylbenzene
trans-1,3-Dichloropropene
Vinyl chloride

This affected the following samples:

1303809-BLK1
1303809-BS1
1303809-BSD1
1303812-BLK1
1303812-BS1
1303812-BSD1
1303908-BLK1
1303908-BS1
1303908-BSD1
MW-AE8-021413-1
MW-AG10-021413-1
MW-AH16-021413-1
MW-AJ13-021413-1
MW-AJ13-021413-2
MW-P11-021313-1
MW-T23-021313-1
MW-V12-021413-1
MW-Y15-021413-1
MW-Y9-021413-1
S300314-ICV1
S301754-CCV1
S301755-CCV1
S301842-CCV1
Trip Blank

1302041

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
Naphthalene
trans-1,3-Dichloropropene

This affected the following samples:

1304008-BLK1
1304008-BS1
1304008-BSD1
MW-V12-021413-1
S301789-ICV1
S301852-CCV1

S301789-ICV1

SW846 8260C

Calibration:

S301789-ICV1

Analyte percent recovery is outside individual acceptance criteria.

Bromomethane (79%)
Dichlorodifluoromethane (Freon12) (69%)

This affected the following samples:

1304008-BLK1
1304008-BS1
1304008-BSD1
MW-V12-021413-1
S301852-CCV1

Laboratory Control Samples:

1303812 BS/BSD

Carbon tetrachloride percent recoveries (132/135) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-AG10-021413-1
MW-AH16-021413-1
MW-AJ13-021413-1
MW-AJ13-021413-2
MW-Y15-021413-1
MW-Y9-021413-1
Trip Blank

Vinyl chloride percent recoveries (132/139) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-AG10-021413-1
MW-AH16-021413-1
MW-AJ13-021413-1
MW-AJ13-021413-2
MW-Y15-021413-1
MW-Y9-021413-1
Trip Blank

1303908 BS/BSD

1,1,2-Trichlorotrifluoroethane (Freon 113) percent recoveries (131/122) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-V12-021413-1

1,2-Dibromo-3-chloropropane percent recoveries (134/125) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-V12-021413-1

Bromoform percent recoveries (133/128) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-V12-021413-1

Carbon tetrachloride percent recoveries (161/143) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-V12-021413-1

SW846 8260C

Laboratory Control Samples:

1303908 BS/BSD

Dibromochloromethane percent recoveries (134/130) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-V12-021413-1

Vinyl chloride percent recoveries (145/122) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-V12-021413-1

1304008 BS/BSD

Acetone percent recoveries (134/106) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-V12-021413-1

Hexachlorobutadiene percent recoveries (80/62) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-V12-021413-1

1304008 BSD

2-Butanone (MEK) RPD 22% (20%) is outside individual acceptance criteria.

Acetone RPD 23% (20%) is outside individual acceptance criteria.

Hexachlorobutadiene RPD 26% (20%) is outside individual acceptance criteria.

Samples:

S301754-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (23.3%)
Carbon tetrachloride (33.0%)
Hexachlorobutadiene (-21.9%)
Trichlorofluoromethane (Freon 11) (25.1%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,3-Trichlorobenzene (-20.6%)
1,2,4-Trichlorobenzene (-23.8%)
Ethanol (28.7%)
Naphthalene (-22.6%)
Vinyl chloride (32.6%)

This affected the following samples:

1303812-BLK1
1303812-BS1
1303812-BSD1
MW-AG10-021413-1
MW-AH16-021413-1
MW-AJ13-021413-1
MW-AJ13-021413-2
MW-Y15-021413-1
MW-Y9-021413-1
Trip Blank

SW846 8260C

Samples:

S301755-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (23.5%)
Carbon tetrachloride (23.6%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Methylene chloride (21.6%)
Vinyl chloride (28.3%)

This affected the following samples:

1303809-BLK1
1303809-BS1
1303809-BSD1
MW-AE8-021413-1
MW-P11-021313-1
MW-T23-021313-1
MW-V12-021413-1

S301842-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1,2-Tetrachloroethane (20.1%)
1,1,2-Trichlorotrifluoroethane (Freon 113) (21.8%)
Bromodichloromethane (22.5%)
Carbon tetrachloride (42.6%)
Hexachlorobutadiene (-27.1%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,4-Trichlorobenzene (-21.3%)
1,2-Dibromo-3-chloropropane (25.0%)
Bromoform (27.6%)
Dibromochloromethane (29.8%)
Ethanol (20.8%)
Methylene chloride (20.2%)
n-Butylbenzene (-22.4%)
Vinyl chloride (22.5%)

This affected the following samples:

1303908-BLK1
1303908-BS1
1303908-BSD1
MW-V12-021413-1

S301852-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Bromoform (26.8%)
Bromomethane (-31.2%)

This affected the following samples:

1304008-BLK1
1304008-BS1
1304008-BSD1
MW-V12-021413-1

SB64588-03 *MW-V12-021413-1*

SW846 8260C

Samples:

SB64588-03 *MW-V12-021413-1*

Insufficient preservative to reduce the sample pH to less than 2.

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Acetone

SB64588-03RE2 *MW-V12-021413-1*

Insufficient preservative to reduce the sample pH to less than 2.

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8270D SIM

Calibration:

1301043

Analyte quantified by quadratic equation type calibration.

Benzo (a) pyrene
Benzo (g,h,i) perylene
Dibenzo (a,h) anthracene
Indeno (1,2,3-cd) pyrene

This affected the following samples:

1303978-BLK1
1303978-BS1
1303978-BSD1
MW-AE8-021413-1
MW-AG10-021413-1
MW-AH16-021413-1
MW-AJ13-021413-1
MW-AJ13-021413-2
MW-P11-021313-1
MW-T23-021313-1
MW-V12-021413-1
MW-Y15-021413-1
MW-Y9-021413-1
S300782-ICV1
S301949-CCV1

Samples:

S301949-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Dibenzo (a,h) anthracene (21.2%)

SW846 8270D SIM

Samples:

S301949-CCV1

This affected the following samples:

1303978-BLK1
1303978-BS1
1303978-BSD1
MW-AE8-021413-1
MW-AG10-021413-1
MW-AH16-021413-1
MW-AJ13-021413-1
MW-AJ13-021413-2
MW-P11-021313-1
MW-T23-021313-1
MW-V12-021413-1
MW-Y15-021413-1
MW-Y9-021413-1

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-P11-021313-1	60225155	Ground Water	13-Feb-13 16:00	14-Feb-13
SB64588-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	15-Feb-13	JEG	1303809	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-P11-021313-1	60225155	Ground Water	13-Feb-13 16:00	14-Feb-13
SB64588-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	15-Feb-13	JEG	1303809	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-P11-021313-1 SB64588-01	60225155	Ground Water	13-Feb-13 16:00	14-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	20-Feb-13	21-Feb-13	ML/	1303978	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*62*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	15-Feb-13	19-Feb-13	SEP	1303791	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*55*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			JS	1303843	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0766**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-P11-021313-1 SB64588-01	60225155	Ground Water	13-Feb-13 16:00	14-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-70-2	Calcium	**74.4**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**0.0546**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**5.15**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**17.5**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.630**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**12.1**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0150**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	20-Feb-13	21-Feb-13	JLM	1303826	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	14-Feb-13 19:00	14-Feb-13 19:00	CAA	1303854	
	Bicarbonate Alkalinity	**218**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**29.8**		mg/l	1.00	0.448	1	EPA 300.0	14-Feb-13	15-Feb-13	KK	1303758	X
14797-55-8	Nitrate as N	**0.820**		mg/l	0.100	0.0363	1	"	14-Feb-13 16:09	15-Feb-13 04:11	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	15-Feb-13 11:30	15-Feb-13 13:25	"	1303840	X
14808-79-8	Sulfate as SO4	**29.2**		mg/l	1.00	0.620	1	"	14-Feb-13	15-Feb-13	"	1303758	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:17	TDD/C	1303853	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-T23-021313-1 SB64588-02	60225155	Ground Water	14-Feb-13 07:30	14-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	20-Feb-13	21-Feb-13	ML/	1303978	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*79*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	15-Feb-13	19-Feb-13	SEP	1303791	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*58*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			JS	1303843	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-38-2	Arsenic	**0.0072**		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.448**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-T23-021313-1	60225155	Ground Water	14-Feb-13 07:30	14-Feb-13
SB64588-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-70-2	Calcium	**44.2**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.0474**		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	**0.0308**		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**21.8**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**12.5**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**14.7**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**1.74**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**85.8**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	**0.0182**		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	**0.0226**		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	**0.0412**		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.106**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	20-Feb-13	21-Feb-13	JLM	1303826	X
General Chemistry Parameters													
	Bicarbonate Alkalinity	**259**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**47.6**	R01, D	mg/l	5.00	2.24	5	EPA 300.0	14-Feb-13	15-Feb-13	KK	1303758	X
14797-55-8	Nitrate as N	< 0.500	R01, D	mg/l	0.500	0.181	5	"	14-Feb-13 16:09	15-Feb-13 05:55	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	14-Feb-13 16:09	15-Feb-13 05:55	"	"	X
14808-79-8	Sulfate as SO4	**19.7**	R01, D	mg/l	5.00	3.10	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V12-021413-1	60225155	Ground Water	14-Feb-13 09:00	14-Feb-13
SB64588-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds			PH										
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	15-Feb-13	JEG	1303809	X
67-64-1	Acetone	**59.4**	E	µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V12-021413-1	60225155	Ground Water	14-Feb-13 09:00	14-Feb-13
SB64588-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds			PH										
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	15-Feb-13	JEG	1303809	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*			"	"	"	"	"	
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V12-021413-1	60225155	Ground Water	14-Feb-13 09:00	14-Feb-13
SB64588-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.00	D	µg/l	5.00	3.24	5	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
67-64-1	Acetone	< 50.0	D	µg/l	50.0	12.8	5	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 2.50	D	µg/l	2.50	2.30	5	"	"	"	"	"	X
71-43-2	Benzene	< 5.00	D	µg/l	5.00	3.34	5	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5.00	D	µg/l	5.00	3.60	5	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5.00	D	µg/l	5.00	3.55	5	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 2.50	D	µg/l	2.50	2.40	5	"	"	"	"	"	X
75-25-2	Bromoform	< 5.00	D	µg/l	5.00	3.02	5	"	"	"	"	"	X
74-83-9	Bromomethane	< 10.0	D	µg/l	10.0	5.70	5	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 50.0	D	µg/l	50.0	8.67	5	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5.00	D	µg/l	5.00	2.81	5	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.00	D	µg/l	5.00	4.10	5	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5.00	D	µg/l	5.00	3.72	5	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 10.0	D	µg/l	10.0	3.14	5	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5.00	D	µg/l	5.00	2.74	5	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5.00	D	µg/l	5.00	3.27	5	"	"	"	"	"	X
75-00-3	Chloroethane	< 10.0	D	µg/l	10.0	5.16	5	"	"	"	"	"	X
67-66-3	Chloroform	< 5.00	D	µg/l	5.00	3.44	5	"	"	"	"	"	X
74-87-3	Chloromethane	< 10.0	D	µg/l	10.0	7.36	5	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5.00	D	µg/l	5.00	3.96	5	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5.00	D	µg/l	5.00	3.66	5	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 10.0	D	µg/l	10.0	4.64	5	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 2.50	D	µg/l	2.50	1.44	5	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 2.50	D	µg/l	2.50	1.64	5	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5.00	D	µg/l	5.00	3.33	5	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5.00	D	µg/l	5.00	3.34	5	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.00	D	µg/l	5.00	3.56	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.00	D	µg/l	5.00	3.12	5	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 10.0	D	µg/l	10.0	2.24	5	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5.00	D	µg/l	5.00	3.40	5	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5.00	D	µg/l	5.00	3.90	5	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5.00	D	µg/l	5.00	2.44	5	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5.00	D	µg/l	5.00	3.58	5	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5.00	D	µg/l	5.00	3.40	5	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5.00	D	µg/l	5.00	3.56	5	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5.00	D	µg/l	5.00	4.04	5	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5.00	D	µg/l	5.00	3.02	5	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5.00	D	µg/l	5.00	3.18	5	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 2.50	D	µg/l	2.50	1.26	5	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 2.50	D	µg/l	2.50	2.50	5	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 5.00	D	µg/l	5.00	3.66	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.50	D	µg/l	2.50	2.25	5	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 50.0	D	µg/l	50.0	2.72	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V12-021413-1	60225155	Ground Water	14-Feb-13 09:00	14-Feb-13
SB64588-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 5.00	D	µg/l	5.00	3.10	5	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
99-87-6	4-Isopropyltoluene	< 5.00	D	µg/l	5.00	3.04	5	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5.00	D	µg/l	5.00	3.26	5	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 50.0	D	µg/l	50.0	4.66	5	"	"	"	"	"	X
75-09-2	Methylene chloride	< 10.0	D	µg/l	10.0	3.45	5	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.00	D	µg/l	5.00	1.66	5	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.00	D	µg/l	5.00	3.79	5	"	"	"	"	"	X
100-42-5	Styrene	< 5.00	D	µg/l	5.00	3.08	5	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5.00	D	µg/l	5.00	3.13	5	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 2.50	D	µg/l	2.50	1.74	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5.00	D	µg/l	5.00	3.72	5	"	"	"	"	"	X
108-88-3	Toluene	< 5.00	D	µg/l	5.00	4.06	5	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5.00	D	µg/l	5.00	1.88	5	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5.00	D	µg/l	5.00	1.80	5	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5.00	D	µg/l	5.00	3.92	5	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5.00	D	µg/l	5.00	2.91	5	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5.00	D	µg/l	5.00	3.21	5	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5.00	D	µg/l	5.00	3.78	5	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.00	D	µg/l	5.00	3.14	5	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5.00	D	µg/l	5.00	3.68	5	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5.00	D	µg/l	5.00	3.78	5	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 5.00	D	µg/l	5.00	3.72	5	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5.00	D	µg/l	5.00	4.04	5	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 10.0	D	µg/l	10.0	8.20	5	"	"	"	"	"	X
95-47-6	o-Xylene	< 5.00	D	µg/l	5.00	4.41	5	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 10.0	D	µg/l	10.0	7.21	5	"	"	"	"	"	
60-29-7	Ethyl ether	< 5.00	D	µg/l	5.00	3.46	5	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 5.00	D	µg/l	5.00	3.60	5	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 5.00	D	µg/l	5.00	3.91	5	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 5.00	D	µg/l	5.00	3.64	5	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 50.0	D	µg/l	50.0	43.2	5	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 100	D	µg/l	100	70.1	5	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 25.0	D	µg/l	25.0	3.84	5	"	"	"	"	"	X
64-17-5	Ethanol	< 2000	D	µg/l	2000	178	5	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*108*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*			*70-130 %*			"	"	"	"	"	
Re-analysis of Volatile Organic Compounds			GS1, PH										
Prepared by method SW846 5030 Water MS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V12-021413-1	60225155	Ground Water	14-Feb-13 09:00	14-Feb-13
SB64588-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds			GS1, PH										
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.00	D	µg/l	5.00	3.24	5	SW846 8260C	20-Feb-13	20-Feb-13	eq	1304008	X
67-64-1	Acetone	176	D	µg/l	50.0	12.8	5	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 2.50	D	µg/l	2.50	2.30	5	"	"	"	"	"	X
71-43-2	Benzene	< 5.00	D	µg/l	5.00	3.34	5	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5.00	D	µg/l	5.00	3.60	5	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5.00	D	µg/l	5.00	3.55	5	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 2.50	D	µg/l	2.50	2.40	5	"	"	"	"	"	X
75-25-2	Bromoform	< 5.00	D	µg/l	5.00	3.02	5	"	"	"	"	"	X
74-83-9	Bromomethane	< 10.0	D	µg/l	10.0	5.70	5	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 50.0	D	µg/l	50.0	8.67	5	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5.00	D	µg/l	5.00	2.81	5	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.00	D	µg/l	5.00	4.10	5	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5.00	D	µg/l	5.00	3.72	5	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 10.0	D	µg/l	10.0	3.14	5	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5.00	D	µg/l	5.00	2.74	5	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5.00	D	µg/l	5.00	3.27	5	"	"	"	"	"	X
75-00-3	Chloroethane	< 10.0	D	µg/l	10.0	5.16	5	"	"	"	"	"	X
67-66-3	Chloroform	< 5.00	D	µg/l	5.00	3.44	5	"	"	"	"	"	X
74-87-3	Chloromethane	< 10.0	D	µg/l	10.0	7.36	5	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5.00	D	µg/l	5.00	3.96	5	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5.00	D	µg/l	5.00	3.66	5	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 10.0	D	µg/l	10.0	4.64	5	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 2.50	D	µg/l	2.50	1.44	5	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 2.50	D	µg/l	2.50	1.64	5	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5.00	D	µg/l	5.00	3.33	5	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5.00	D	µg/l	5.00	3.34	5	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.00	D	µg/l	5.00	3.56	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.00	D	µg/l	5.00	3.12	5	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 10.0	D	µg/l	10.0	2.24	5	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5.00	D	µg/l	5.00	3.40	5	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5.00	D	µg/l	5.00	3.90	5	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5.00	D	µg/l	5.00	2.44	5	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5.00	D	µg/l	5.00	3.58	5	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5.00	D	µg/l	5.00	3.40	5	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5.00	D	µg/l	5.00	3.56	5	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5.00	D	µg/l	5.00	4.04	5	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5.00	D	µg/l	5.00	3.02	5	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5.00	D	µg/l	5.00	3.18	5	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 2.50	D	µg/l	2.50	1.26	5	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 2.50	D	µg/l	2.50	2.50	5	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 5.00	D	µg/l	5.00	3.66	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 2.50	D	µg/l	2.50	2.25	5	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 50.0	D	µg/l	50.0	2.72	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V12-021413-1	60225155	Ground Water	14-Feb-13 09:00	14-Feb-13
SB64588-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds			GS1, PH										
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 5.00	D	µg/l	5.00	3.10	5	SW846 8260C	20-Feb-13	20-Feb-13	eq	1304008	X
99-87-6	4-Isopropyltoluene	< 5.00	D	µg/l	5.00	3.04	5	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5.00	D	µg/l	5.00	3.26	5	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 50.0	D	µg/l	50.0	4.66	5	"	"	"	"	"	X
75-09-2	Methylene chloride	< 10.0	D	µg/l	10.0	3.45	5	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.00	D	µg/l	5.00	1.66	5	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.00	D	µg/l	5.00	3.79	5	"	"	"	"	"	X
100-42-5	Styrene	< 5.00	D	µg/l	5.00	3.08	5	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5.00	D	µg/l	5.00	3.13	5	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 2.50	D	µg/l	2.50	1.74	5	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5.00	D	µg/l	5.00	3.72	5	"	"	"	"	"	X
108-88-3	Toluene	< 5.00	D	µg/l	5.00	4.06	5	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5.00	D	µg/l	5.00	1.88	5	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5.00	D	µg/l	5.00	1.80	5	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5.00	D	µg/l	5.00	3.92	5	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5.00	D	µg/l	5.00	2.91	5	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5.00	D	µg/l	5.00	3.21	5	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5.00	D	µg/l	5.00	3.78	5	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.00	D	µg/l	5.00	3.14	5	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5.00	D	µg/l	5.00	3.68	5	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5.00	D	µg/l	5.00	3.78	5	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 5.00	D	µg/l	5.00	3.72	5	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5.00	D	µg/l	5.00	4.04	5	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 10.0	D	µg/l	10.0	8.20	5	"	"	"	"	"	X
95-47-6	o-Xylene	< 5.00	D	µg/l	5.00	4.41	5	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 10.0	D	µg/l	10.0	7.21	5	"	"	"	"	"	
60-29-7	Ethyl ether	< 5.00	D	µg/l	5.00	3.46	5	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 5.00	D	µg/l	5.00	3.60	5	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 5.00	D	µg/l	5.00	3.91	5	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 5.00	D	µg/l	5.00	3.64	5	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 50.0	D	µg/l	50.0	43.2	5	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 100	D	µg/l	100	70.1	5	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 25.0	D	µg/l	25.0	3.84	5	"	"	"	"	"	X
64-17-5	Ethanol	< 2000	D	µg/l	2000	178	5	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V12-021413-1 SB64588-03	60225155	Ground Water	14-Feb-13 09:00	14-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	20-Feb-13	21-Feb-13	ML/	1303978	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	20-Feb-13	21-Feb-13	SEP	1304022	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*64*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			JS	1303843	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.750**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-V12-021413-1	60225155	Ground Water	14-Feb-13 09:00	14-Feb-13
SB64588-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-70-2	Calcium	**90.6**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	**0.0056**		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**7.80**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**43.4**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**46.0**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.360**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**168**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0093**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	20-Feb-13	21-Feb-13	JLM	1303826	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	14-Feb-13 19:00	14-Feb-13 19:00	CAA	1303854	
	Bicarbonate Alkalinity	**720**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**119**	GS1, D	mg/l	5.00	2.24	5	EPA 300.0	14-Feb-13	15-Feb-13	KK	1303758	X
14797-55-8	Nitrate as N	< 0.500	R01, D	mg/l	0.500	0.181	5	"	14-Feb-13 16:09	15-Feb-13 06:13	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	14-Feb-13 16:09	15-Feb-13 06:13	"	"	X
14808-79-8	Sulfate as SO4	**13.0**	R01, D	mg/l	5.00	3.10	5	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:30	TDD/C	1303856	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AE8-021413-1	60225155	Ground Water	14-Feb-13 10:30	14-Feb-13
SB64588-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	15-Feb-13	JEG	1303809	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AE8-021413-1	60225155	Ground Water	14-Feb-13 10:30	14-Feb-13
SB64588-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	15-Feb-13	JEG	1303809	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AE8-021413-1	60225155	Ground Water	14-Feb-13 10:30	14-Feb-13
SB64588-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	20-Feb-13	21-Feb-13	ML/	1303978	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*79*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	20-Feb-13	21-Feb-13	SEP	1304022	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*89*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			JS	1303843	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0854**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AE8-021413-1	60225155	Ground Water	14-Feb-13 10:30	14-Feb-13
SB64588-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-70-2	Calcium	**68.4**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**2.18**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**5.82**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**13.7**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.306**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**6.37**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0116**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	20-Feb-13	21-Feb-13	JLM	1303826	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	14-Feb-13 19:00	14-Feb-13 19:00	CAA	1303854	
	Bicarbonate Alkalinity	**211**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	< 5.00	R01, D	mg/l	5.00	2.24	5	EPA 300.0	14-Feb-13	15-Feb-13	KK	1303758	X
14797-55-8	Nitrate as N	< 0.500	R01, D	mg/l	0.500	0.181	5	"	14-Feb-13 16:09	15-Feb-13 06:47	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	14-Feb-13 16:09	15-Feb-13 06:47	"	"	X
14808-79-8	Sulfate as SO4	**21.6**	R01, D	mg/l	5.00	3.10	5	"	"	"	"	"	X
18496-25-8	Sulfide	**0.123**		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:31	TDD/C	1303856	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y9-021413-1	60225155	Ground Water	14-Feb-13 11:30	14-Feb-13
SB64588-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y9-021413-1	60225155	Ground Water	14-Feb-13 11:30	14-Feb-13
SB64588-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y9-021413-1 SB64588-05	60225155	Ground Water	14-Feb-13 11:30	14-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	20-Feb-13	21-Feb-13	ML/	1303978	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*65*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*78*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	20-Feb-13	21-Feb-13	SEP	1304022	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*65*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			JS	1303843	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.888**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y9-021413-1	60225155	Ground Water	14-Feb-13 11:30	14-Feb-13
SB64588-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-70-2	Calcium	**49.8**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**2.63**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**27.3**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**31.2**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.187**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**61.8**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0508**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	20-Feb-13	21-Feb-13	JLM	1303826	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	14-Feb-13 19:00	14-Feb-13 19:00	CAA	1303854	
	Bicarbonate Alkalinity	**356**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**43.6**	R01, D	mg/l	5.00	2.24	5	EPA 300.0	14-Feb-13	15-Feb-13	KK	1303758	X
14797-55-8	Nitrate as N	< 0.500	R01, D	mg/l	0.500	0.181	5	"	14-Feb-13 16:09	15-Feb-13 07:05	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	14-Feb-13 16:09	15-Feb-13 07:05	"	"	X
14808-79-8	Sulfate as SO4	**13.4**	R01, D	mg/l	5.00	3.10	5	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:32	TDD/C	1303856	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y15-021413-1	60225155	Ground Water	14-Feb-13 12:45	14-Feb-13
SB64588-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y15-021413-1	60225155	Ground Water	14-Feb-13 12:45	14-Feb-13
SB64588-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y15-021413-1 SB64588-06	60225155	Ground Water	14-Feb-13 12:45	14-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	**0.318**		µg/l	0.050	0.007	1	SW846 8270D SIM	20-Feb-13	21-Feb-13	ML/	1303978	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	**0.222**		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	**0.168**		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	**0.095**		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**0.078**		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*60*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*73*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	20-Feb-13	21-Feb-13	SEP	1304022	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*53*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			JS	1303843	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.421**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-Y15-021413-1 SB64588-06	60225155	Ground Water	14-Feb-13 12:45	14-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-70-2	Calcium	**90.0**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	**0.0070**		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**12.8**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**28.0**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**32.2**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.658**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**55.8**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	**0.0096**		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0346**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	20-Feb-13	21-Feb-13	JLM	1303826	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	14-Feb-13 19:00	14-Feb-13 19:00	CAA	1303854	
	Bicarbonate Alkalinity	**460**		mg/l CaCO3	2.00	1.09	1	SM2320B	15-Feb-13	20-Feb-13	BD	1303830	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	15-Feb-13	20-Feb-13	"	1303831	
16887-00-6	Chloride	**40.9**	R01, D	mg/l	2.00	0.895	2	EPA 300.0	14-Feb-13	15-Feb-13	KK	1303758	X
14797-55-8	Nitrate as N	< 0.200	R01, D	mg/l	0.200	0.0726	2	"	14-Feb-13 16:09	15-Feb-13 07:22	"	"	X
Nitrite as N by IC Prepared by method General Preparation													
14797-65-0	Nitrite as N	**6.02**	E, QC5, D	mg/l	0.200	0.113	2	"	14-Feb-13 16:09	15-Feb-13 07:22	"	"	X
Re-analysis of Nitrite as N by IC Prepared by method General Preparation													
14797-65-0	Nitrite as N	< 0.500	HT7, R01, D	mg/l	0.500	0.283	5	EPA 300.0	14-Feb-13 16:09	15-Feb-13 07:40	KK	1303758	X
14808-79-8	Sulfate as SO4	**33.4**	R01, D	mg/l	2.00	1.24	2	EPA 300.0	14-Feb-13	15-Feb-13	KK	1303758	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:32	TDD/C	1303856	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AH16-021413-1	60225155	Ground Water	14-Feb-13 14:00	14-Feb-13
SB64588-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AH16-021413-1	60225155	Ground Water	14-Feb-13 14:00	14-Feb-13
SB64588-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*108*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AH16-021413-1 SB64588-07	60225155	Ground Water	14-Feb-13 14:00	14-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	**1.35**		µg/l	0.050	0.007	1	SW846 8270D SIM	20-Feb-13	21-Feb-13	ML/	1303978	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	**0.129**		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	**0.148**		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**0.258**		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	**0.852**		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**0.064**		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	**0.169**		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*61*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*77*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	20-Feb-13	21-Feb-13	SEP	1304022	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	**0.5**	D35	mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	**0.5**		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*55*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			JS	1303843	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.397**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AH16-021413-1	60225155	Ground Water	14-Feb-13 14:00	14-Feb-13
SB64588-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-70-2	Calcium	**128**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**11.5**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**25.3**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**52.2**	GS1, D	mg/l	0.0500	0.0095	5	"	"	21-Feb-13	"	"	X
7439-96-5	Manganese	**0.756**		mg/l	0.0020	0.0016	1	"	"	20-Feb-13	"	"	X
7440-23-5	Sodium	**55.8**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0437**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	20-Feb-13	21-Feb-13	JLM	1303826	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	14-Feb-13 19:00	14-Feb-13 19:00	CAA	1303854	
	Bicarbonate Alkalinity	**626**		mg/l CaCO3	2.00	1.09	1	SM2320B	20-Feb-13	21-Feb-13	BD	1304000	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	20-Feb-13	21-Feb-13	"	1303999	
16887-00-6	Chloride	**60.4**	GS1, D	mg/l	5.00	2.24	5	EPA 300.0	15-Feb-13	15-Feb-13	KK	1303840	X
14797-55-8	Nitrate as N	**0.310**		mg/l	0.100	0.0363	1	"	14-Feb-13 16:09	15-Feb-13 07:57	"	1303758	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	15-Feb-13 11:30	15-Feb-13 15:53	"	1303840	X
14808-79-8	Sulfate as SO4	**23.9**		mg/l	1.00	0.620	1	"	14-Feb-13	15-Feb-13	"	1303758	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:33	TDD/C	1303856	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AG10-021413-1	60225155	Ground Water	14-Feb-13 10:30	14-Feb-13
SB64588-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AG10-021413-1	60225155	Ground Water	14-Feb-13 10:30	14-Feb-13
SB64588-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*106*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AG10-021413-1	60225155	Ground Water	14-Feb-13 10:30	14-Feb-13
SB64588-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	**0.234**		µg/l	0.050	0.007	1	SW846 8270D SIM	20-Feb-13	21-Feb-13	ML/	1303978	X
208-96-8	Acenaphthylene	**0.085**		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	**0.087**		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	**0.061**		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**0.063**		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	**0.160**		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	**0.215**		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	**0.520**		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**0.179**		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*62*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*73*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	20-Feb-13	21-Feb-13	SEP	1304022	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*56*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			JS	1303843	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.279**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AG10-021413-1	60225155	Ground Water	14-Feb-13 10:30	14-Feb-13
SB64588-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-70-2	Calcium	**52.1**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**17.9**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**2.71**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**13.6**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**1.40**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**31.0**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.164**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	20-Feb-13	21-Feb-13	JLM	1303826	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	14-Feb-13 19:00	14-Feb-13 19:00	CAA	1303854	
	Bicarbonate Alkalinity	**194**		mg/l CaCO3	2.00	1.09	1	SM2320B	20-Feb-13	21-Feb-13	BD	1304000	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	20-Feb-13	21-Feb-13	"	1303999	
16887-00-6	Chloride	**28.7**	R01, D	mg/l	5.00	2.24	5	EPA 300.0	14-Feb-13	15-Feb-13	KK	1303758	X
14797-55-8	Nitrate as N	**0.650**	R01, D	mg/l	0.500	0.181	5	"	14-Feb-13 16:09	15-Feb-13 08:49	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	14-Feb-13 16:09	15-Feb-13 08:49	"	"	X
14808-79-8	Sulfate as SO4	**5.20**	R01, D	mg/l	5.00	3.10	5	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:33	TDD/C	1303856	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ13-021413-1	60225155	Ground Water	14-Feb-13 12:45	14-Feb-13
SB64588-09				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ13-021413-1	60225155	Ground Water	14-Feb-13 12:45	14-Feb-13
SB64588-09				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*100*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ13-021413-1 SB64588-09	60225155	Ground Water	14-Feb-13 12:45	14-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	**0.262**		µg/l	0.050	0.007	1	SW846 8270D SIM	20-Feb-13	21-Feb-13	ML/	1303978	X
208-96-8	Acenaphthylene	**0.078**		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	**0.086**		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	**0.160**		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	**0.251**		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	**0.650**		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**0.177**		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*65*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*78*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	20-Feb-13	21-Feb-13	SEP	1304022	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*55*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			JS	1303843	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0951**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ13-021413-1 SB64588-09	60225155	Ground Water	14-Feb-13 12:45	14-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-70-2	Calcium	**21.4**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**2.30**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**3.42**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**6.62**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.272**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**5.42**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	**0.0067**		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.132**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	20-Feb-13	21-Feb-13	JLM	1303826	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	14-Feb-13 19:00	14-Feb-13 19:00	CAA	1303854	
	Bicarbonate Alkalinity	**69.5**		mg/l CaCO3	2.00	1.09	1	SM2320B	20-Feb-13	21-Feb-13	BD	1304000	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	20-Feb-13	21-Feb-13	"	1303999	
16887-00-6	Chloride	**16.4**		mg/l	1.00	0.448	1	EPA 300.0	14-Feb-13	15-Feb-13	KK	1303758	X
14797-55-8	Nitrate as N	**0.140**		mg/l	0.100	0.0363	1	"	14-Feb-13 16:09	15-Feb-13 09:07	"	"	X
14797-65-0	Nitrite as N	< 0.100		mg/l	0.100	0.0566	1	"	14-Feb-13 16:09	15-Feb-13 09:07	"	"	X
14808-79-8	Sulfate as SO4	**7.35**		mg/l	1.00	0.620	1	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:34	TDD/C	1303856	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ13-021413-2	60225155	Ground Water	14-Feb-13 13:20	14-Feb-13
SB64588-10				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ13-021413-2	60225155	Ground Water	14-Feb-13 13:20	14-Feb-13
SB64588-10				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ13-021413-2	60225155	Ground Water	14-Feb-13 13:20	14-Feb-13
SB64588-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	**0.275**		µg/l	0.050	0.007	1	SW846 8270D SIM	20-Feb-13	21-Feb-13	ML/	1303978	X
208-96-8	Acenaphthylene	**0.081**		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	**0.088**		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	**0.158**		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	**0.262**		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	**0.695**		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**0.170**		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*61*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	20-Feb-13	21-Feb-13	SEP	1304022	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*55*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			JS	1303843	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.109**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AJ13-021413-2	60225155	Ground Water	14-Feb-13 13:20	14-Feb-13
SB64588-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	20-Feb-13	20-Feb-13	arf	1303825	X
7440-70-2	Calcium	**23.8**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**2.89**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**3.60**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**7.88**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.327**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**6.11**		mg/l	0.250	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	**0.0074**		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.105**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	20-Feb-13	21-Feb-13	JLM	1303826	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	14-Feb-13 19:00	14-Feb-13 19:00	CAA	1303854	
	Bicarbonate Alkalinity	**72.8**		mg/l CaCO3	2.00	1.09	1	SM2320B	20-Feb-13	21-Feb-13	BD	1304000	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	20-Feb-13	21-Feb-13	"	1303999	
16887-00-6	Chloride	**18.7**		mg/l	1.00	0.448	1	EPA 300.0	14-Feb-13	15-Feb-13	KK	1303758	X
14797-55-8	Nitrate as N	**0.490**		mg/l	0.100	0.0363	1	"	14-Feb-13 16:09	15-Feb-13 09:24	"	"	X
14797-65-0	Nitrite as N	< 0.100		mg/l	0.100	0.0566	1	"	14-Feb-13 16:09	15-Feb-13 09:24	"	"	X
14808-79-8	Sulfate as SO4	**8.69**		mg/l	1.00	0.620	1	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:34	TDD/C	1303856	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	60225155	Aqueous	14-Feb-13 00:00	14-Feb-13
SB64588-11				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB64588-11	60225155	Aqueous	14-Feb-13 00:00	14-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	16-Feb-13	JEG	1303812	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-T23-021313-1	60225155	Ground Water	13-Feb-13 12:30	14-Feb-13
SB64588-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	15-Feb-13	15-Feb-13	JEG	1303809	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-T23-021313-1	60225155	Ground Water	13-Feb-13 12:30	14-Feb-13
SB64588-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	15-Feb-13	15-Feb-13	JEG	1303809	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*			"	"	"	"	"	
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	14-Feb-13 19:00	14-Feb-13 19:00	CAA	1303876	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-T23-021313-1 SB64588-12	60225155	Ground Water	13-Feb-13 12:30	14-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters													
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 14:22	TDD/C	1303853	X

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303809 - SW846 5030 Water MS										
Blank (1303809-BLK1)					Prepared & Analyzed: 15-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303809 - SW846 5030 Water MS										
Blank (1303809-BLK1)					Prepared & Analyzed: 15-Feb-13					
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*49.8*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*51.5*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.5*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*52.0*		µg/l		*50.0*		*104*	*70-130*		
LCS (1303809-BS1)					Prepared & Analyzed: 15-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**24.1**		µg/l		20.0		121	70-130		
Acetone	**21.2**		µg/l		20.0		106	70-130		
Acrylonitrile	**21.8**		µg/l		20.0		109	70-130		
Benzene	**19.6**		µg/l		20.0		98	70-130		
Bromobenzene	**19.8**		µg/l		20.0		99	70-130		
Bromochloromethane	**20.3**		µg/l		20.0		102	70-130		
Bromodichloromethane	**22.2**		µg/l		20.0		111	70-130		
Bromoform	**23.6**		µg/l		20.0		118	70-130		
Bromomethane	**22.1**		µg/l		20.0		111	70-130		
2-Butanone (MEK)	**21.6**		µg/l		20.0		108	70-130		
n-Butylbenzene	**19.1**		µg/l		20.0		96	70-130		
sec-Butylbenzene	**19.3**		µg/l		20.0		97	70-130		
tert-Butylbenzene	**19.4**		µg/l		20.0		97	70-130		
Carbon disulfide	**20.5**		µg/l		20.0		102	70-130		
Carbon tetrachloride	**25.0**		µg/l		20.0		125	70-130		
Chlorobenzene	**18.4**		µg/l		20.0		92	70-130		
Chloroethane	**22.2**		µg/l		20.0		111	70-130		
Chloroform	**20.4**		µg/l		20.0		102	70-130		
Chloromethane	**19.5**		µg/l		20.0		98	70-130		
2-Chlorotoluene	**19.9**		µg/l		20.0		99	70-130		
4-Chlorotoluene	**20.8**		µg/l		20.0		104	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303809 - SW846 5030 Water MS										
LCS (1303809-BS1)					Prepared & Analyzed: 15-Feb-13					
1,2-Dibromo-3-chloropropane	**21.2**		µg/l		20.0		106	70-130		
Dibromochloromethane	**22.9**		µg/l		20.0		115	70-130		
1,2-Dibromoethane (EDB)	**20.9**		µg/l		20.0		104	70-130		
Dibromomethane	**20.7**		µg/l		20.0		103	70-130		
1,2-Dichlorobenzene	**18.5**		µg/l		20.0		92	70-130		
1,3-Dichlorobenzene	**20.8**		µg/l		20.0		104	70-130		
1,4-Dichlorobenzene	**17.7**		µg/l		20.0		88	70-130		
Dichlorodifluoromethane (Freon12)	**20.7**		µg/l		20.0		104	70-130		
1,1-Dichloroethane	**19.4**		µg/l		20.0		97	70-130		
1,2-Dichloroethane	**20.8**		µg/l		20.0		104	70-130		
1,1-Dichloroethene	**21.2**		µg/l		20.0		106	70-130		
cis-1,2-Dichloroethene	**19.0**		µg/l		20.0		95	70-130		
trans-1,2-Dichloroethene	**22.4**		µg/l		20.0		112	70-130		
1,2-Dichloropropane	**19.8**		µg/l		20.0		99	70-130		
1,3-Dichloropropane	**20.7**		µg/l		20.0		103	70-130		
2,2-Dichloropropane	**19.3**		µg/l		20.0		97	70-130		
1,1-Dichloropropene	**21.0**		µg/l		20.0		105	70-130		
cis-1,3-Dichloropropene	**20.9**		µg/l		20.0		104	70-130		
trans-1,3-Dichloropropene	**20.4**		µg/l		20.0		102	70-130		
Ethylbenzene	**20.0**		µg/l		20.0		100	70-130		
Hexachlorobutadiene	**20.4**		µg/l		20.0		102	70-130		
2-Hexanone (MBK)	**21.9**		µg/l		20.0		110	70-130		
Isopropylbenzene	**20.1**		µg/l		20.0		101	70-130		
4-Isopropyltoluene	**19.8**		µg/l		20.0		99	70-130		
Methyl tert-butyl ether	**22.6**		µg/l		20.0		113	70-130		
4-Methyl-2-pentanone (MIBK)	**23.4**		µg/l		20.0		117	70-130		
Methylene chloride	**23.6**		µg/l		20.0		118	70-130		
Naphthalene	**21.6**		µg/l		20.0		108	70-130		
n-Propylbenzene	**18.7**		µg/l		20.0		94	70-130		
Styrene	**19.5**		µg/l		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	**22.7**		µg/l		20.0		113	70-130		
1,1,2,2-Tetrachloroethane	**20.0**		µg/l		20.0		100	70-130		
Tetrachloroethene	**20.5**		µg/l		20.0		103	70-130		
Toluene	**19.8**		µg/l		20.0		99	70-130		
1,2,3-Trichlorobenzene	**21.5**		µg/l		20.0		108	70-130		
1,2,4-Trichlorobenzene	**21.3**		µg/l		20.0		107	70-130		
1,3,5-Trichlorobenzene	**21.1**		µg/l		20.0		105	70-130		
1,1,1-Trichloroethane	**21.3**		µg/l		20.0		107	70-130		
1,1,2-Trichloroethane	**19.2**		µg/l		20.0		96	70-130		
Trichloroethene	**18.7**		µg/l		20.0		94	70-130		
Trichlorofluoromethane (Freon 11)	**21.8**		µg/l		20.0		109	70-130		
1,2,3-Trichloropropane	**19.9**		µg/l		20.0		99	70-130		
1,2,4-Trimethylbenzene	**22.4**		µg/l		20.0		112	70-130		
1,3,5-Trimethylbenzene	**21.7**		µg/l		20.0		109	70-130		
Vinyl chloride	**24.5**		µg/l		20.0		123	70-130		
m,p-Xylene	**40.2**		µg/l		40.0		100	70-130		
o-Xylene	**19.5**		µg/l		20.0		97	70-130		
Tetrahydrofuran	**19.7**		µg/l		20.0		99	70-130		
Ethyl ether	**22.2**		µg/l		20.0		111	70-130		
Tert-amyl methyl ether	**22.0**		µg/l		20.0		110	70-130		
Ethyl tert-butyl ether	**21.3**		µg/l		20.0		106	70-130		
Di-isopropyl ether	**19.2**		µg/l		20.0		96	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303809 - SW846 5030 Water MS										
LCS (1303809-BS1)						Prepared & Analyzed: 15-Feb-13				
Tert-Butanol / butyl alcohol	**212**		µg/l		200		106	70-130		
1,4-Dioxane	**217**		µg/l		200		109	70-130		
trans-1,4-Dichloro-2-butene	**21.6**		µg/l		20.0		108	70-130		
Ethanol	**458**		µg/l		400		114	70-130		
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*52.0*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.9*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*51.6*		µg/l		*50.0*		*103*	*70-130*		
LCS Dup (1303809-BSD1)						Prepared & Analyzed: 15-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**21.5**		µg/l		20.0		107	70-130	12	20
Acetone	**21.2**		µg/l		20.0		106	70-130	0.2	20
Acrylonitrile	**22.0**		µg/l		20.0		110	70-130	0.8	20
Benzene	**18.4**		µg/l		20.0		92	70-130	7	20
Bromobenzene	**18.6**		µg/l		20.0		93	70-130	6	20
Bromochloromethane	**19.8**		µg/l		20.0		99	70-130	3	20
Bromodichloromethane	**20.5**		µg/l		20.0		102	70-130	8	20
Bromoform	**22.9**		µg/l		20.0		115	70-130	3	20
Bromomethane	**22.0**		µg/l		20.0		110	70-130	0.7	20
2-Butanone (MEK)	**21.2**		µg/l		20.0		106	70-130	2	20
n-Butylbenzene	**18.0**		µg/l		20.0		90	70-130	6	20
sec-Butylbenzene	**18.7**		µg/l		20.0		94	70-130	3	20
tert-Butylbenzene	**18.4**		µg/l		20.0		92	70-130	5	20
Carbon disulfide	**18.8**		µg/l		20.0		94	70-130	8	20
Carbon tetrachloride	**22.4**		µg/l		20.0		112	70-130	11	20
Chlorobenzene	**17.8**		µg/l		20.0		89	70-130	3	20
Chloroethane	**21.2**		µg/l		20.0		106	70-130	5	20
Chloroform	**20.2**		µg/l		20.0		101	70-130	0.9	20
Chloromethane	**18.2**		µg/l		20.0		91	70-130	7	20
2-Chlorotoluene	**19.1**		µg/l		20.0		96	70-130	4	20
4-Chlorotoluene	**19.8**		µg/l		20.0		99	70-130	5	20
1,2-Dibromo-3-chloropropane	**19.9**		µg/l		20.0		100	70-130	6	20
Dibromochloromethane	**22.6**		µg/l		20.0		113	70-130	1	20
1,2-Dibromoethane (EDB)	**21.9**		µg/l		20.0		109	70-130	5	20
Dibromomethane	**19.6**		µg/l		20.0		98	70-130	6	20
1,2-Dichlorobenzene	**17.4**		µg/l		20.0		87	70-130	6	20
1,3-Dichlorobenzene	**19.4**		µg/l		20.0		97	70-130	7	20
1,4-Dichlorobenzene	**16.8**		µg/l		20.0		84	70-130	5	20
Dichlorodifluoromethane (Freon12)	**19.7**		µg/l		20.0		99	70-130	5	20
1,1-Dichloroethane	**18.4**		µg/l		20.0		92	70-130	5	20
1,2-Dichloroethane	**20.0**		µg/l		20.0		100	70-130	4	20
1,1-Dichloroethene	**20.3**		µg/l		20.0		102	70-130	4	20
cis-1,2-Dichloroethene	**18.0**		µg/l		20.0		90	70-130	5	20
trans-1,2-Dichloroethene	**21.0**		µg/l		20.0		105	70-130	7	20
1,2-Dichloropropane	**18.3**		µg/l		20.0		92	70-130	8	20
1,3-Dichloropropane	**19.5**		µg/l		20.0		98	70-130	6	20
2,2-Dichloropropane	**17.7**		µg/l		20.0		88	70-130	9	20
1,1-Dichloropropene	**19.2**		µg/l		20.0		96	70-130	9	20
cis-1,3-Dichloropropene	**19.4**		µg/l		20.0		97	70-130	7	20
trans-1,3-Dichloropropene	**19.5**		µg/l		20.0		98	70-130	4	20
Ethylbenzene	**18.7**		µg/l		20.0		94	70-130	7	20
Hexachlorobutadiene	**19.2**		µg/l		20.0		96	70-130	6	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303809 - SW846 5030 Water MS										
LCS Dup (1303809-BSD1)					Prepared & Analyzed: 15-Feb-13					
2-Hexanone (MBK)	**22.0**		µg/l		20.0		110	70-130	0.4	20
Isopropylbenzene	**19.0**		µg/l		20.0		95	70-130	6	20
4-Isopropyltoluene	**18.6**		µg/l		20.0		93	70-130	6	20
Methyl tert-butyl ether	**21.6**		µg/l		20.0		108	70-130	5	20
4-Methyl-2-pentanone (MIBK)	**23.5**		µg/l		20.0		118	70-130	0.6	20
Methylene chloride	**21.5**		µg/l		20.0		107	70-130	9	20
Naphthalene	**20.4**		µg/l		20.0		102	70-130	5	20
n-Propylbenzene	**17.6**		µg/l		20.0		88	70-130	6	20
Styrene	**19.1**		µg/l		20.0		96	70-130	2	20
1,1,1,2-Tetrachloroethane	**21.8**		µg/l		20.0		109	70-130	4	20
1,1,2,2-Tetrachloroethane	**20.2**		µg/l		20.0		101	70-130	0.9	20
Tetrachloroethene	**19.1**		µg/l		20.0		95	70-130	7	20
Toluene	**18.6**		µg/l		20.0		93	70-130	6	20
1,2,3-Trichlorobenzene	**19.9**		µg/l		20.0		100	70-130	8	20
1,2,4-Trichlorobenzene	**19.5**		µg/l		20.0		98	70-130	9	20
1,3,5-Trichlorobenzene	**19.4**		µg/l		20.0		97	70-130	8	20
1,1,1-Trichloroethane	**20.0**		µg/l		20.0		100	70-130	6	20
1,1,2-Trichloroethane	**19.8**		µg/l		20.0		99	70-130	3	20
Trichloroethene	**17.6**		µg/l		20.0		88	70-130	6	20
Trichlorofluoromethane (Freon 11)	**20.0**		µg/l		20.0		100	70-130	9	20
1,2,3-Trichloropropane	**20.4**		µg/l		20.0		102	70-130	3	20
1,2,4-Trimethylbenzene	**21.2**		µg/l		20.0		106	70-130	6	20
1,3,5-Trimethylbenzene	**19.8**		µg/l		20.0		99	70-130	9	20
Vinyl chloride	**23.1**		µg/l		20.0		116	70-130	6	20
m,p-Xylene	**37.8**		µg/l		40.0		94	70-130	6	20
o-Xylene	**18.8**		µg/l		20.0		94	70-130	4	20
Tetrahydrofuran	**19.9**		µg/l		20.0		99	70-130	0.7	20
Ethyl ether	**22.4**		µg/l		20.0		112	70-130	0.6	20
Tert-amyl methyl ether	**21.2**		µg/l		20.0		106	70-130	4	20
Ethyl tert-butyl ether	**21.0**		µg/l		20.0		105	70-130	1	20
Di-isopropyl ether	**18.6**		µg/l		20.0		93	70-130	3	20
Tert-Butanol / butyl alcohol	**216**		µg/l		200		108	70-130	2	20
1,4-Dioxane	**202**		µg/l		200		101	70-130	7	20
trans-1,4-Dichloro-2-butene	**21.7**		µg/l		20.0		109	70-130	0.8	20
Ethanol	**459**		µg/l		400		115	70-130	0.3	20
Surrogate: 4-Bromofluorobenzene	*53.0*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*52.0*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.5*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*51.7*		µg/l		*50.0*		*103*	*70-130*		
Batch 1303812 - SW846 5030 Water MS										
Blank (1303812-BLK1)					Prepared & Analyzed: 15-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303812 - SW846 5030 Water MS										
Blank (1303812-BLK1)					Prepared & Analyzed: 15-Feb-13					
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303812 - SW846 5030 Water MS										
Blank (1303812-BLK1)						Prepared & Analyzed: 15-Feb-13				
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*52.6*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.5*		µg/l		*50.0*		*117*	*70-130*		
Surrogate: Dibromofluoromethane	*54.7*		µg/l		*50.0*		*109*	*70-130*		
LCS (1303812-BS1)						Prepared & Analyzed: 15-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**25.9**		µg/l		20.0		130	70-130		
Acetone	**23.4**		µg/l		20.0		117	70-130		
Acrylonitrile	**24.1**		µg/l		20.0		121	70-130		
Benzene	**19.2**		µg/l		20.0		96	70-130		
Bromobenzene	**19.1**		µg/l		20.0		96	70-130		
Bromochloromethane	**20.1**		µg/l		20.0		101	70-130		
Bromodichloromethane	**23.1**		µg/l		20.0		116	70-130		
Bromoform	**23.5**		µg/l		20.0		118	70-130		
Bromomethane	**19.8**		µg/l		20.0		99	70-130		
2-Butanone (MEK)	**21.6**		µg/l		20.0		108	70-130		
n-Butylbenzene	**16.5**		µg/l		20.0		82	70-130		
sec-Butylbenzene	**18.3**		µg/l		20.0		92	70-130		
tert-Butylbenzene	**18.6**		µg/l		20.0		93	70-130		
Carbon disulfide	**19.3**		µg/l		20.0		97	70-130		
Carbon tetrachloride	**26.4**	QC2	µg/l		20.0		132	70-130		
Chlorobenzene	**18.2**		µg/l		20.0		91	70-130		
Chloroethane	**22.4**		µg/l		20.0		112	70-130		
Chloroform	**22.1**		µg/l		20.0		110	70-130		
Chloromethane	**19.6**		µg/l		20.0		98	70-130		
2-Chlorotoluene	**19.6**		µg/l		20.0		98	70-130		
4-Chlorotoluene	**19.4**		µg/l		20.0		97	70-130		
1,2-Dibromo-3-chloropropane	**21.2**		µg/l		20.0		106	70-130		
Dibromochloromethane	**24.9**		µg/l		20.0		125	70-130		
1,2-Dibromoethane (EDB)	**22.7**		µg/l		20.0		113	70-130		
Dibromomethane	**22.2**		µg/l		20.0		111	70-130		
1,2-Dichlorobenzene	**18.4**		µg/l		20.0		92	70-130		
1,3-Dichlorobenzene	**20.1**		µg/l		20.0		100	70-130		
1,4-Dichlorobenzene	**17.3**		µg/l		20.0		86	70-130		
Dichlorodifluoromethane (Freon12)	**23.0**		µg/l		20.0		115	70-130		
1,1-Dichloroethane	**20.3**		µg/l		20.0		102	70-130		
1,2-Dichloroethane	**22.6**		µg/l		20.0		113	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303812 - SW846 5030 Water MS										
LCS (1303812-BS1)					Prepared & Analyzed: 15-Feb-13					
1,1-Dichloroethene	**21.1**		µg/l		20.0		106	70-130		
cis-1,2-Dichloroethene	**19.2**		µg/l		20.0		96	70-130		
trans-1,2-Dichloroethene	**23.8**		µg/l		20.0		119	70-130		
1,2-Dichloropropane	**19.5**		µg/l		20.0		97	70-130		
1,3-Dichloropropane	**21.2**		µg/l		20.0		106	70-130		
2,2-Dichloropropane	**18.9**		µg/l		20.0		94	70-130		
1,1-Dichloropropene	**20.2**		µg/l		20.0		101	70-130		
cis-1,3-Dichloropropene	**20.4**		µg/l		20.0		102	70-130		
trans-1,3-Dichloropropene	**20.5**		µg/l		20.0		103	70-130		
Ethylbenzene	**18.9**		µg/l		20.0		95	70-130		
Hexachlorobutadiene	**15.5**		µg/l		20.0		77	70-130		
2-Hexanone (MBK)	**22.4**		µg/l		20.0		112	70-130		
Isopropylbenzene	**19.3**		µg/l		20.0		96	70-130		
4-Isopropyltoluene	**18.1**		µg/l		20.0		91	70-130		
Methyl tert-butyl ether	**23.0**		µg/l		20.0		115	70-130		
4-Methyl-2-pentanone (MIBK)	**24.9**		µg/l		20.0		125	70-130		
Methylene chloride	**23.3**		µg/l		20.0		116	70-130		
Naphthalene	**17.8**		µg/l		20.0		89	70-130		
n-Propylbenzene	**17.1**		µg/l		20.0		86	70-130		
Styrene	**18.3**		µg/l		20.0		92	70-130		
1,1,1,2-Tetrachloroethane	**22.5**		µg/l		20.0		112	70-130		
1,1,2,2-Tetrachloroethane	**20.8**		µg/l		20.0		104	70-130		
Tetrachloroethene	**20.4**		µg/l		20.0		102	70-130		
Toluene	**19.4**		µg/l		20.0		97	70-130		
1,2,3-Trichlorobenzene	**17.2**		µg/l		20.0		86	70-130		
1,2,4-Trichlorobenzene	**16.3**		µg/l		20.0		81	70-130		
1,3,5-Trichlorobenzene	**17.3**		µg/l		20.0		87	70-130		
1,1,1-Trichloroethane	**22.2**		µg/l		20.0		111	70-130		
1,1,2-Trichloroethane	**20.2**		µg/l		20.0		101	70-130		
Trichloroethene	**18.8**		µg/l		20.0		94	70-130		
Trichlorofluoromethane (Freon 11)	**23.6**		µg/l		20.0		118	70-130		
1,2,3-Trichloropropane	**21.2**		µg/l		20.0		106	70-130		
1,2,4-Trimethylbenzene	**20.9**		µg/l		20.0		104	70-130		
1,3,5-Trimethylbenzene	**20.1**		µg/l		20.0		100	70-130		
Vinyl chloride	**26.5**	QC2	µg/l		20.0		132	70-130		
m,p-Xylene	**37.1**		µg/l		40.0		93	70-130		
o-Xylene	**19.3**		µg/l		20.0		97	70-130		
Tetrahydrofuran	**20.2**		µg/l		20.0		101	70-130		
Ethyl ether	**24.0**		µg/l		20.0		120	70-130		
Tert-amyl methyl ether	**24.0**		µg/l		20.0		120	70-130		
Ethyl tert-butyl ether	**21.6**		µg/l		20.0		108	70-130		
Di-isopropyl ether	**19.9**		µg/l		20.0		99	70-130		
Tert-Butanol / butyl alcohol	**228**		µg/l		200		114	70-130		
1,4-Dioxane	**201**		µg/l		200		100	70-130		
trans-1,4-Dichloro-2-butene	**20.8**		µg/l		20.0		104	70-130		
Ethanol	**502**		µg/l		400		126	70-130		
Surrogate: 4-Bromofluorobenzene	*52.6*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*53.2*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.8*		µg/l		*50.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*55.7*		µg/l		*50.0*		*111*	*70-130*		
LCS Dup (1303812-BSD1)					Prepared & Analyzed: 15-Feb-13					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303812 - SW846 5030 Water MS										
LCS Dup (1303812-BSD1)					Prepared & Analyzed: 15-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**24.6**		µg/l		20.0		123	70-130	5	20
Acetone	**24.1**		µg/l		20.0		121	70-130	3	20
Acrylonitrile	**24.0**		µg/l		20.0		120	70-130	0.4	20
Benzene	**18.4**		µg/l		20.0		92	70-130	4	20
Bromobenzene	**18.0**		µg/l		20.0		90	70-130	6	20
Bromochloromethane	**19.9**		µg/l		20.0		100	70-130	1	20
Bromodichloromethane	**21.4**		µg/l		20.0		107	70-130	8	20
Bromoform	**22.8**		µg/l		20.0		114	70-130	3	20
Bromomethane	**20.6**		µg/l		20.0		103	70-130	4	20
2-Butanone (MEK)	**20.8**		µg/l		20.0		104	70-130	4	20
n-Butylbenzene	**16.6**		µg/l		20.0		83	70-130	0.6	20
sec-Butylbenzene	**18.1**		µg/l		20.0		90	70-130	1	20
tert-Butylbenzene	**17.8**		µg/l		20.0		89	70-130	5	20
Carbon disulfide	**19.8**		µg/l		20.0		99	70-130	3	20
Carbon tetrachloride	**26.9**	QC2	µg/l		20.0		135	70-130	2	20
Chlorobenzene	**17.2**		µg/l		20.0		86	70-130	5	20
Chloroethane	**22.2**		µg/l		20.0		111	70-130	0.9	20
Chloroform	**20.9**		µg/l		20.0		104	70-130	6	20
Chloromethane	**19.6**		µg/l		20.0		98	70-130	0.2	20
2-Chlorotoluene	**18.9**		µg/l		20.0		94	70-130	4	20
4-Chlorotoluene	**19.6**		µg/l		20.0		98	70-130	1	20
1,2-Dibromo-3-chloropropane	**20.3**		µg/l		20.0		102	70-130	4	20
Dibromochloromethane	**23.1**		µg/l		20.0		115	70-130	8	20
1,2-Dibromoethane (EDB)	**22.0**		µg/l		20.0		110	70-130	3	20
Dibromomethane	**20.3**		µg/l		20.0		102	70-130	9	20
1,2-Dichlorobenzene	**17.4**		µg/l		20.0		87	70-130	5	20
1,3-Dichlorobenzene	**19.5**		µg/l		20.0		97	70-130	3	20
1,4-Dichlorobenzene	**16.9**		µg/l		20.0		84	70-130	3	20
Dichlorodifluoromethane (Freon12)	**22.1**		µg/l		20.0		111	70-130	4	20
1,1-Dichloroethane	**20.2**		µg/l		20.0		101	70-130	0.3	20
1,2-Dichloroethane	**21.4**		µg/l		20.0		107	70-130	5	20
1,1-Dichloroethene	**21.6**		µg/l		20.0		108	70-130	2	20
cis-1,2-Dichloroethene	**18.3**		µg/l		20.0		92	70-130	4	20
trans-1,2-Dichloroethene	**22.0**		µg/l		20.0		110	70-130	8	20
1,2-Dichloropropane	**18.4**		µg/l		20.0		92	70-130	6	20
1,3-Dichloropropane	**20.3**		µg/l		20.0		101	70-130	4	20
2,2-Dichloropropane	**18.9**		µg/l		20.0		94	70-130	0.2	20
1,1-Dichloropropene	**19.8**		µg/l		20.0		99	70-130	2	20
cis-1,3-Dichloropropene	**19.9**		µg/l		20.0		100	70-130	2	20
trans-1,3-Dichloropropene	**19.5**		µg/l		20.0		97	70-130	5	20
Ethylbenzene	**18.8**		µg/l		20.0		94	70-130	1	20
Hexachlorobutadiene	**17.4**		µg/l		20.0		87	70-130	11	20
2-Hexanone (MBK)	**21.9**		µg/l		20.0		109	70-130	2	20
Isopropylbenzene	**19.0**		µg/l		20.0		95	70-130	1	20
4-Isopropyltoluene	**18.2**		µg/l		20.0		91	70-130	0.4	20
Methyl tert-butyl ether	**22.2**		µg/l		20.0		111	70-130	3	20
4-Methyl-2-pentanone (MIBK)	**22.4**		µg/l		20.0		112	70-130	11	20
Methylene chloride	**23.6**		µg/l		20.0		118	70-130	1	20
Naphthalene	**17.7**		µg/l		20.0		88	70-130	0.6	20
n-Propylbenzene	**17.2**		µg/l		20.0		86	70-130	0.5	20
Styrene	**17.9**		µg/l		20.0		90	70-130	2	20
1,1,1,2-Tetrachloroethane	**21.3**		µg/l		20.0		106	70-130	5	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303812 - SW846 5030 Water MS										
LCS Dup (1303812-BSD1)					Prepared & Analyzed: 15-Feb-13					
1,1,2,2-Tetrachloroethane	**19.8**		µg/l		20.0		99	70-130	5	20
Tetrachloroethene	**19.9**		µg/l		20.0		100	70-130	2	20
Toluene	**19.3**		µg/l		20.0		96	70-130	0.8	20
1,2,3-Trichlorobenzene	**16.7**		µg/l		20.0		84	70-130	3	20
1,2,4-Trichlorobenzene	**17.4**		µg/l		20.0		87	70-130	6	20
1,3,5-Trichlorobenzene	**18.0**		µg/l		20.0		90	70-130	4	20
1,1,1-Trichloroethane	**22.3**		µg/l		20.0		112	70-130	0.2	20
1,1,2-Trichloroethane	**20.0**		µg/l		20.0		100	70-130	0.7	20
Trichloroethene	**18.5**		µg/l		20.0		92	70-130	2	20
Trichlorofluoromethane (Freon 11)	**24.2**		µg/l		20.0		121	70-130	3	20
1,2,3-Trichloropropane	**20.4**		µg/l		20.0		102	70-130	4	20
1,2,4-Trimethylbenzene	**20.4**		µg/l		20.0		102	70-130	2	20
1,3,5-Trimethylbenzene	**20.2**		µg/l		20.0		101	70-130	0.7	20
Vinyl chloride	**27.8**	QC2	µg/l		20.0		139	70-130	5	20
m,p-Xylene	**37.2**		µg/l		40.0		93	70-130	0.1	20
o-Xylene	**19.0**		µg/l		20.0		95	70-130	2	20
Tetrahydrofuran	**19.0**		µg/l		20.0		95	70-130	6	20
Ethyl ether	**23.1**		µg/l		20.0		115	70-130	4	20
Tert-amyl methyl ether	**22.9**		µg/l		20.0		114	70-130	5	20
Ethyl tert-butyl ether	**20.7**		µg/l		20.0		104	70-130	4	20
Di-isopropyl ether	**19.1**		µg/l		20.0		96	70-130	4	20
Tert-Butanol / butyl alcohol	**226**		µg/l		200		113	70-130	1	20
1,4-Dioxane	**201**		µg/l		200		101	70-130	0.2	20
trans-1,4-Dichloro-2-butene	**19.5**		µg/l		20.0		97	70-130	7	20
Ethanol	**478**		µg/l		400		120	70-130	5	20
Surrogate: 4-Bromofluorobenzene	*52.0*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*53.5*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.7*		µg/l		*50.0*		*115*	*70-130*		
Surrogate: Dibromofluoromethane	*54.9*		µg/l		*50.0*		*110*	*70-130*		
Batch 1303908 - SW846 5030 Water MS										
Blank (1303908-BLK1)					Prepared & Analyzed: 19-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
Blank (1303908-BLK1)					Prepared & Analyzed: 19-Feb-13					
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
Blank (1303908-BLK1)						Prepared & Analyzed: 19-Feb-13				
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*53.0*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.8*		µg/l		*50.0*		*120*	*70-130*		
Surrogate: Dibromofluoromethane	*56.6*		µg/l		*50.0*		*113*	*70-130*		
LCS (1303908-BS1)						Prepared & Analyzed: 19-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**26.2**	QM9	µg/l		20.0		131	70-130		
Acetone	**22.3**		µg/l		20.0		111	70-130		
Acrylonitrile	**22.4**		µg/l		20.0		112	70-130		
Benzene	**20.0**		µg/l		20.0		100	70-130		
Bromobenzene	**19.0**		µg/l		20.0		95	70-130		
Bromochloromethane	**20.4**		µg/l		20.0		102	70-130		
Bromodichloromethane	**25.0**		µg/l		20.0		125	70-130		
Bromoform	**26.6**	QM9	µg/l		20.0		133	70-130		
Bromomethane	**21.3**		µg/l		20.0		106	70-130		
2-Butanone (MEK)	**18.3**		µg/l		20.0		92	70-130		
n-Butylbenzene	**16.0**		µg/l		20.0		80	70-130		
sec-Butylbenzene	**18.1**		µg/l		20.0		90	70-130		
tert-Butylbenzene	**18.8**		µg/l		20.0		94	70-130		
Carbon disulfide	**22.9**		µg/l		20.0		114	70-130		
Carbon tetrachloride	**32.2**	QC2	µg/l		20.0		161	70-130		
Chlorobenzene	**17.6**		µg/l		20.0		88	70-130		
Chloroethane	**23.5**		µg/l		20.0		118	70-130		
Chloroform	**23.1**		µg/l		20.0		115	70-130		
Chloromethane	**22.2**		µg/l		20.0		111	70-130		
2-Chlorotoluene	**18.7**		µg/l		20.0		94	70-130		
4-Chlorotoluene	**19.4**		µg/l		20.0		97	70-130		
1,2-Dibromo-3-chloropropane	**26.9**	QM9	µg/l		20.0		134	70-130		
Dibromochloromethane	**26.8**	QM9	µg/l		20.0		134	70-130		
1,2-Dibromoethane (EDB)	**21.5**		µg/l		20.0		108	70-130		
Dibromomethane	**21.4**		µg/l		20.0		107	70-130		
1,2-Dichlorobenzene	**17.8**		µg/l		20.0		89	70-130		
1,3-Dichlorobenzene	**19.5**		µg/l		20.0		97	70-130		
1,4-Dichlorobenzene	**16.9**		µg/l		20.0		84	70-130		
Dichlorodifluoromethane (Freon12)	**23.9**		µg/l		20.0		119	70-130		
1,1-Dichloroethane	**21.7**		µg/l		20.0		108	70-130		
1,2-Dichloroethane	**22.3**		µg/l		20.0		111	70-130		
1,1-Dichloroethene	**22.4**		µg/l		20.0		112	70-130		
cis-1,2-Dichloroethene	**19.3**		µg/l		20.0		97	70-130		
trans-1,2-Dichloroethene	**23.1**		µg/l		20.0		115	70-130		
1,2-Dichloropropane	**20.0**		µg/l		20.0		100	70-130		
1,3-Dichloropropane	**21.1**		µg/l		20.0		105	70-130		
2,2-Dichloropropane	**23.3**		µg/l		20.0		117	70-130		
1,1-Dichloropropene	**21.3**		µg/l		20.0		106	70-130		
cis-1,3-Dichloropropene	**23.0**		µg/l		20.0		115	70-130		
trans-1,3-Dichloropropene	**23.3**		µg/l		20.0		116	70-130		
Ethylbenzene	**18.8**		µg/l		20.0		94	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
LCS (1303908-BS1)						Prepared & Analyzed: 19-Feb-13				
Hexachlorobutadiene	**15.6**		µg/l		20.0		78	70-130		
2-Hexanone (MBK)	**21.9**		µg/l		20.0		110	70-130		
Isopropylbenzene	**19.3**		µg/l		20.0		96	70-130		
4-Isopropyltoluene	**18.7**		µg/l		20.0		94	70-130		
Methyl tert-butyl ether	**24.4**		µg/l		20.0		122	70-130		
4-Methyl-2-pentanone (MIBK)	**21.9**		µg/l		20.0		110	70-130		
Methylene chloride	**24.3**		µg/l		20.0		122	70-130		
Naphthalene	**16.7**		µg/l		20.0		84	70-130		
n-Propylbenzene	**17.2**		µg/l		20.0		86	70-130		
Styrene	**18.8**		µg/l		20.0		94	70-130		
1,1,1,2-Tetrachloroethane	**25.5**		µg/l		20.0		128	70-130		
1,1,2,2-Tetrachloroethane	**20.0**		µg/l		20.0		100	70-130		
Tetrachloroethene	**21.2**		µg/l		20.0		106	70-130		
Toluene	**19.8**		µg/l		20.0		99	70-130		
1,2,3-Trichlorobenzene	**16.5**		µg/l		20.0		83	70-130		
1,2,4-Trichlorobenzene	**16.2**		µg/l		20.0		81	70-130		
1,3,5-Trichlorobenzene	**17.2**		µg/l		20.0		86	70-130		
1,1,1-Trichloroethane	**25.1**		µg/l		20.0		125	70-130		
1,1,2-Trichloroethane	**20.2**		µg/l		20.0		101	70-130		
Trichloroethene	**19.7**		µg/l		20.0		99	70-130		
Trichlorofluoromethane (Freon 11)	**25.9**		µg/l		20.0		129	70-130		
1,2,3-Trichloropropane	**20.1**		µg/l		20.0		100	70-130		
1,2,4-Trimethylbenzene	**20.6**		µg/l		20.0		103	70-130		
1,3,5-Trimethylbenzene	**20.0**		µg/l		20.0		100	70-130		
Vinyl chloride	**28.9**	QM9	µg/l		20.0		145	70-130		
m,p-Xylene	**36.2**		µg/l		40.0		90	70-130		
o-Xylene	**18.6**		µg/l		20.0		93	70-130		
Tetrahydrofuran	**19.6**		µg/l		20.0		98	70-130		
Ethyl ether	**22.9**		µg/l		20.0		114	70-130		
Tert-amyl methyl ether	**23.3**		µg/l		20.0		116	70-130		
Ethyl tert-butyl ether	**22.4**		µg/l		20.0		112	70-130		
Di-isopropyl ether	**20.6**		µg/l		20.0		103	70-130		
Tert-Butanol / butyl alcohol	**223**		µg/l		200		111	70-130		
1,4-Dioxane	**234**		µg/l		200		117	70-130		
trans-1,4-Dichloro-2-butene	**21.6**		µg/l		20.0		108	70-130		
Ethanol	**457**		µg/l		400		114	70-130		
Surrogate: 4-Bromofluorobenzene	*52.9*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*53.5*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.0*		µg/l		*50.0*		*116*	*70-130*		
Surrogate: Dibromofluoromethane	*56.7*		µg/l		*50.0*		*113*	*70-130*		
LCS Dup (1303908-BSD1)						Prepared & Analyzed: 19-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**24.4**		µg/l		20.0		122	70-130	7	20
Acetone	**22.6**		µg/l		20.0		113	70-130	1	20
Acrylonitrile	**23.6**		µg/l		20.0		118	70-130	5	20
Benzene	**18.5**		µg/l		20.0		92	70-130	8	20
Bromobenzene	**18.2**		µg/l		20.0		91	70-130	4	20
Bromochloromethane	**20.3**		µg/l		20.0		102	70-130	0.5	20
Bromodichloromethane	**24.5**		µg/l		20.0		123	70-130	2	20
Bromoform	**25.5**		µg/l		20.0		128	70-130	4	20
Bromomethane	**20.7**		µg/l		20.0		103	70-130	3	20
2-Butanone (MEK)	**21.6**		µg/l		20.0		108	70-130	16	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
LCS Dup (1303908-BSD1)					Prepared & Analyzed: 19-Feb-13					
n-Butylbenzene	**15.5**		µg/l		20.0		78	70-130	3	20
sec-Butylbenzene	**17.4**		µg/l		20.0		87	70-130	4	20
tert-Butylbenzene	**17.7**		µg/l		20.0		88	70-130	6	20
Carbon disulfide	**21.1**		µg/l		20.0		105	70-130	8	20
Carbon tetrachloride	**28.5**	QC2	µg/l		20.0		143	70-130	12	20
Chlorobenzene	**16.9**		µg/l		20.0		85	70-130	4	20
Chloroethane	**21.6**		µg/l		20.0		108	70-130	9	20
Chloroform	**22.1**		µg/l		20.0		110	70-130	4	20
Chloromethane	**20.0**		µg/l		20.0		100	70-130	10	20
2-Chlorotoluene	**18.8**		µg/l		20.0		94	70-130	0.6	20
4-Chlorotoluene	**18.4**		µg/l		20.0		92	70-130	5	20
1,2-Dibromo-3-chloropropane	**25.0**		µg/l		20.0		125	70-130	7	20
Dibromochloromethane	**26.0**		µg/l		20.0		130	70-130	3	20
1,2-Dibromoethane (EDB)	**21.9**		µg/l		20.0		110	70-130	2	20
Dibromomethane	**21.2**		µg/l		20.0		106	70-130	0.9	20
1,2-Dichlorobenzene	**17.4**		µg/l		20.0		87	70-130	2	20
1,3-Dichlorobenzene	**18.6**		µg/l		20.0		93	70-130	4	20
1,4-Dichlorobenzene	**16.8**		µg/l		20.0		84	70-130	0.6	20
Dichlorodifluoromethane (Freon12)	**22.5**		µg/l		20.0		112	70-130	6	20
1,1-Dichloroethane	**20.2**		µg/l		20.0		101	70-130	7	20
1,2-Dichloroethane	**21.7**		µg/l		20.0		108	70-130	3	20
1,1-Dichloroethene	**21.6**		µg/l		20.0		108	70-130	4	20
cis-1,2-Dichloroethene	**18.7**		µg/l		20.0		94	70-130	3	20
trans-1,2-Dichloroethene	**22.2**		µg/l		20.0		111	70-130	4	20
1,2-Dichloropropane	**19.2**		µg/l		20.0		96	70-130	4	20
1,3-Dichloropropane	**20.0**		µg/l		20.0		100	70-130	5	20
2,2-Dichloropropane	**21.6**		µg/l		20.0		108	70-130	8	20
1,1-Dichloropropene	**20.6**		µg/l		20.0		103	70-130	3	20
cis-1,3-Dichloropropene	**22.1**		µg/l		20.0		110	70-130	4	20
trans-1,3-Dichloropropene	**23.1**		µg/l		20.0		116	70-130	0.7	20
Ethylbenzene	**17.9**		µg/l		20.0		90	70-130	5	20
Hexachlorobutadiene	**14.6**		µg/l		20.0		73	70-130	7	20
2-Hexanone (MBK)	**21.8**		µg/l		20.0		109	70-130	0.4	20
Isopropylbenzene	**18.1**		µg/l		20.0		90	70-130	7	20
4-Isopropyltoluene	**17.4**		µg/l		20.0		87	70-130	7	20
Methyl tert-butyl ether	**23.2**		µg/l		20.0		116	70-130	5	20
4-Methyl-2-pentanone (MIBK)	**21.7**		µg/l		20.0		108	70-130	1	20
Methylene chloride	**24.0**		µg/l		20.0		120	70-130	1	20
Naphthalene	**17.4**		µg/l		20.0		87	70-130	4	20
n-Propylbenzene	**16.6**		µg/l		20.0		83	70-130	4	20
Styrene	**17.9**		µg/l		20.0		89	70-130	5	20
1,1,1,2-Tetrachloroethane	**24.0**		µg/l		20.0		120	70-130	6	20
1,1,2,2-Tetrachloroethane	**19.7**		µg/l		20.0		98	70-130	2	20
Tetrachloroethene	**19.2**		µg/l		20.0		96	70-130	10	20
Toluene	**19.3**		µg/l		20.0		97	70-130	2	20
1,2,3-Trichlorobenzene	**16.0**		µg/l		20.0		80	70-130	3	20
1,2,4-Trichlorobenzene	**15.7**		µg/l		20.0		79	70-130	3	20
1,3,5-Trichlorobenzene	**17.1**		µg/l		20.0		85	70-130	0.6	20
1,1,1-Trichloroethane	**22.8**		µg/l		20.0		114	70-130	10	20
1,1,2-Trichloroethane	**20.1**		µg/l		20.0		101	70-130	0.1	20
Trichloroethene	**18.7**		µg/l		20.0		94	70-130	5	20
Trichlorofluoromethane (Freon 11)	**23.7**		µg/l		20.0		119	70-130	9	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
LCS Dup (1303908-BSD1)					Prepared & Analyzed: 19-Feb-13					
1,2,3-Trichloropropane	**19.8**		µg/l		20.0		99	70-130	1	20
1,2,4-Trimethylbenzene	**19.6**		µg/l		20.0		98	70-130	5	20
1,3,5-Trimethylbenzene	**19.0**		µg/l		20.0		95	70-130	5	20
Vinyl chloride	**24.5**		µg/l		20.0		122	70-130	17	20
m,p-Xylene	**35.0**		µg/l		40.0		88	70-130	3	20
o-Xylene	**18.1**		µg/l		20.0		91	70-130	3	20
Tetrahydrofuran	**19.4**		µg/l		20.0		97	70-130	1	20
Ethyl ether	**22.8**		µg/l		20.0		114	70-130	0.3	20
Tert-amyl methyl ether	**22.6**		µg/l		20.0		113	70-130	3	20
Ethyl tert-butyl ether	**21.9**		µg/l		20.0		109	70-130	2	20
Di-isopropyl ether	**19.7**		µg/l		20.0		98	70-130	5	20
Tert-Butanol / butyl alcohol	**234**		µg/l		200		117	70-130	5	20
1,4-Dioxane	**196**		µg/l		200		98	70-130	18	20
trans-1,4-Dichloro-2-butene	**21.6**		µg/l		20.0		108	70-130	0.2	20
Ethanol	**483**		µg/l		400		121	70-130	6	20
Surrogate: 4-Bromofluorobenzene	*51.5*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*52.8*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.4*		µg/l		*50.0*		*115*	*70-130*		
Surrogate: Dibromofluoromethane	*55.6*		µg/l		*50.0*		*111*	*70-130*		
Batch 1304008 - SW846 5030 Water MS										
Blank (1304008-BLK1)					Prepared & Analyzed: 20-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304008 - SW846 5030 Water MS										
Blank (1304008-BLK1)					Prepared & Analyzed: 20-Feb-13					
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*30.8*		µg/l		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*29.5*		µg/l		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.7*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*29.8*		µg/l		*30.0*		*99*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304008 - SW846 5030 Water MS										
LCS (1304008-BS1)					Prepared & Analyzed: 20-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**16.4**		µg/l		20.0		82	70-130		
Acetone	**26.7**		µg/l		20.0		134	70-130		
Acrylonitrile	**24.1**		µg/l		20.0		120	70-130		
Benzene	**17.5**		µg/l		20.0		87	70-130		
Bromobenzene	**18.6**		µg/l		20.0		93	70-130		
Bromochloromethane	**18.4**		µg/l		20.0		92	70-130		
Bromodichloromethane	**19.1**		µg/l		20.0		96	70-130		
Bromoform	**24.5**		µg/l		20.0		122	70-130		
Bromomethane	**14.2**		µg/l		20.0		71	70-130		
2-Butanone (MEK)	**25.2**		µg/l		20.0		126	70-130		
n-Butylbenzene	**17.0**		µg/l		20.0		85	70-130		
sec-Butylbenzene	**19.4**		µg/l		20.0		97	70-130		
tert-Butylbenzene	**19.2**		µg/l		20.0		96	70-130		
Carbon disulfide	**14.8**		µg/l		20.0		74	70-130		
Carbon tetrachloride	**18.3**		µg/l		20.0		92	70-130		
Chlorobenzene	**18.2**		µg/l		20.0		91	70-130		
Chloroethane	**16.9**		µg/l		20.0		84	70-130		
Chloroform	**17.2**		µg/l		20.0		86	70-130		
Chloromethane	**16.0**		µg/l		20.0		80	70-130		
2-Chlorotoluene	**18.5**		µg/l		20.0		92	70-130		
4-Chlorotoluene	**19.4**		µg/l		20.0		97	70-130		
1,2-Dibromo-3-chloropropane	**22.6**		µg/l		20.0		113	70-130		
Dibromochloromethane	**21.3**		µg/l		20.0		106	70-130		
1,2-Dibromoethane (EDB)	**21.1**		µg/l		20.0		105	70-130		
Dibromomethane	**20.7**		µg/l		20.0		103	70-130		
1,2-Dichlorobenzene	**18.7**		µg/l		20.0		93	70-130		
1,3-Dichlorobenzene	**19.1**		µg/l		20.0		96	70-130		
1,4-Dichlorobenzene	**17.4**		µg/l		20.0		87	70-130		
Dichlorodifluoromethane (Freon12)	**17.3**		µg/l		20.0		87	70-130		
1,1-Dichloroethane	**17.6**		µg/l		20.0		88	70-130		
1,2-Dichloroethane	**19.0**		µg/l		20.0		95	70-130		
1,1-Dichloroethene	**16.3**		µg/l		20.0		81	70-130		
cis-1,2-Dichloroethene	**17.4**		µg/l		20.0		87	70-130		
trans-1,2-Dichloroethene	**17.4**		µg/l		20.0		87	70-130		
1,2-Dichloropropane	**18.3**		µg/l		20.0		92	70-130		
1,3-Dichloropropane	**19.8**		µg/l		20.0		99	70-130		
2,2-Dichloropropane	**17.3**		µg/l		20.0		87	70-130		
1,1-Dichloropropene	**17.2**		µg/l		20.0		86	70-130		
cis-1,3-Dichloropropene	**19.4**		µg/l		20.0		97	70-130		
trans-1,3-Dichloropropene	**19.9**		µg/l		20.0		100	70-130		
Ethylbenzene	**18.3**		µg/l		20.0		91	70-130		
Hexachlorobutadiene	**16.0**		µg/l		20.0		80	70-130		
2-Hexanone (MBK)	**22.8**		µg/l		20.0		114	70-130		
Isopropylbenzene	**18.4**		µg/l		20.0		92	70-130		
4-Isopropyltoluene	**19.2**		µg/l		20.0		96	70-130		
Methyl tert-butyl ether	**20.9**		µg/l		20.0		104	70-130		
4-Methyl-2-pentanone (MIBK)	**24.6**		µg/l		20.0		123	70-130		
Methylene chloride	**15.5**		µg/l		20.0		78	70-130		
Naphthalene	**20.8**		µg/l		20.0		104	70-130		
n-Propylbenzene	**19.4**		µg/l		20.0		97	70-130		
Styrene	**19.8**		µg/l		20.0		99	70-130		
1,1,1,2-Tetrachloroethane	**19.2**		µg/l		20.0		96	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304008 - SW846 5030 Water MS										
LCS (1304008-BS1)					Prepared & Analyzed: 20-Feb-13					
1,1,2,2-Tetrachloroethane	**23.8**		µg/l		20.0		119	70-130		
Tetrachloroethene	**17.0**		µg/l		20.0		85	70-130		
Toluene	**17.6**		µg/l		20.0		88	70-130		
1,2,3-Trichlorobenzene	**17.7**		µg/l		20.0		89	70-130		
1,2,4-Trichlorobenzene	**17.9**		µg/l		20.0		90	70-130		
1,3,5-Trichlorobenzene	**16.9**		µg/l		20.0		84	70-130		
1,1,1-Trichloroethane	**17.9**		µg/l		20.0		89	70-130		
1,1,2-Trichloroethane	**21.6**		µg/l		20.0		108	70-130		
Trichloroethene	**16.8**		µg/l		20.0		84	70-130		
Trichlorofluoromethane (Freon 11)	**16.4**		µg/l		20.0		82	70-130		
1,2,3-Trichloropropane	**23.6**		µg/l		20.0		118	70-130		
1,2,4-Trimethylbenzene	**20.2**		µg/l		20.0		101	70-130		
1,3,5-Trimethylbenzene	**19.5**		µg/l		20.0		98	70-130		
Vinyl chloride	**15.2**		µg/l		20.0		76	70-130		
m,p-Xylene	**37.2**		µg/l		40.0		93	70-130		
o-Xylene	**18.9**		µg/l		20.0		95	70-130		
Tetrahydrofuran	**24.8**		µg/l		20.0		124	70-130		
Ethyl ether	**18.9**		µg/l		20.0		94	70-130		
Tert-amyl methyl ether	**20.1**		µg/l		20.0		100	70-130		
Ethyl tert-butyl ether	**19.4**		µg/l		20.0		97	70-130		
Di-isopropyl ether	**19.1**		µg/l		20.0		95	70-130		
Tert-Butanol / butyl alcohol	**238**		µg/l		200		119	70-130		
1,4-Dioxane	**224**		µg/l		200		112	70-130		
trans-1,4-Dichloro-2-butene	**25.9**		µg/l		20.0		130	70-130		
Ethanol	**490**		µg/l		400		123	70-130		
Surrogate: 4-Bromofluorobenzene	*31.8*		µg/l		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*29.3*		µg/l		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.3*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*29.1*		µg/l		*30.0*		*97*	*70-130*		
LCS Dup (1304008-BSD1)					Prepared & Analyzed: 20-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**14.9**		µg/l		20.0		74	70-130	10	20
Acetone	**21.2**	QR2	µg/l		20.0		106	70-130	23	20
Acrylonitrile	**20.4**		µg/l		20.0		102	70-130	17	20
Benzene	**17.8**		µg/l		20.0		89	70-130	2	20
Bromobenzene	**18.4**		µg/l		20.0		92	70-130	1	20
Bromochloromethane	**18.3**		µg/l		20.0		91	70-130	0.8	20
Bromodichloromethane	**19.6**		µg/l		20.0		98	70-130	3	20
Bromoform	**22.6**		µg/l		20.0		113	70-130	8	20
Bromomethane	**14.8**		µg/l		20.0		74	70-130	4	20
2-Butanone (MEK)	**20.1**	QR2	µg/l		20.0		101	70-130	22	20
n-Butylbenzene	**16.2**		µg/l		20.0		81	70-130	5	20
sec-Butylbenzene	**17.9**		µg/l		20.0		90	70-130	8	20
tert-Butylbenzene	**18.2**		µg/l		20.0		91	70-130	5	20
Carbon disulfide	**14.9**		µg/l		20.0		75	70-130	0.8	20
Carbon tetrachloride	**17.6**		µg/l		20.0		88	70-130	4	20
Chlorobenzene	**18.2**		µg/l		20.0		91	70-130	0.2	20
Chloroethane	**17.0**		µg/l		20.0		85	70-130	0.9	20
Chloroform	**17.8**		µg/l		20.0		89	70-130	3	20
Chloromethane	**15.8**		µg/l		20.0		79	70-130	1	20
2-Chlorotoluene	**18.4**		µg/l		20.0		92	70-130	0.2	20
4-Chlorotoluene	**18.5**		µg/l		20.0		92	70-130	5	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304008 - SW846 5030 Water MS										
LCS Dup (1304008-BSD1)					Prepared & Analyzed: 20-Feb-13					
1,2-Dibromo-3-chloropropane	**20.2**		µg/l		20.0		101	70-130	11	20
Dibromochloromethane	**20.8**		µg/l		20.0		104	70-130	2	20
1,2-Dibromoethane (EDB)	**20.5**		µg/l		20.0		103	70-130	3	20
Dibromomethane	**19.4**		µg/l		20.0		97	70-130	6	20
1,2-Dichlorobenzene	**18.6**		µg/l		20.0		93	70-130	0.3	20
1,3-Dichlorobenzene	**18.3**		µg/l		20.0		91	70-130	4	20
1,4-Dichlorobenzene	**17.6**		µg/l		20.0		88	70-130	2	20
Dichlorodifluoromethane (Freon12)	**15.8**		µg/l		20.0		79	70-130	9	20
1,1-Dichloroethane	**18.2**		µg/l		20.0		91	70-130	3	20
1,2-Dichloroethane	**19.2**		µg/l		20.0		96	70-130	1	20
1,1-Dichloroethene	**15.8**		µg/l		20.0		79	70-130	3	20
cis-1,2-Dichloroethene	**18.0**		µg/l		20.0		90	70-130	3	20
trans-1,2-Dichloroethene	**17.4**		µg/l		20.0		87	70-130	0.2	20
1,2-Dichloropropane	**19.0**		µg/l		20.0		95	70-130	4	20
1,3-Dichloropropane	**19.7**		µg/l		20.0		99	70-130	0.3	20
2,2-Dichloropropane	**17.2**		µg/l		20.0		86	70-130	0.8	20
1,1-Dichloropropene	**17.2**		µg/l		20.0		86	70-130	0.06	20
cis-1,3-Dichloropropene	**20.0**		µg/l		20.0		100	70-130	3	20
trans-1,3-Dichloropropene	**19.7**		µg/l		20.0		99	70-130	0.8	20
Ethylbenzene	**17.9**		µg/l		20.0		90	70-130	2	20
Hexachlorobutadiene	**12.3**	QM9, QR5	µg/l		20.0		62	70-130	26	20
2-Hexanone (MBK)	**20.5**		µg/l		20.0		103	70-130	11	20
Isopropylbenzene	**17.8**		µg/l		20.0		89	70-130	3	20
4-Isopropyltoluene	**18.2**		µg/l		20.0		91	70-130	5	20
Methyl tert-butyl ether	**20.4**		µg/l		20.0		102	70-130	2	20
4-Methyl-2-pentanone (MIBK)	**22.2**		µg/l		20.0		111	70-130	11	20
Methylene chloride	**16.0**		µg/l		20.0		80	70-130	3	20
Naphthalene	**18.2**		µg/l		20.0		91	70-130	13	20
n-Propylbenzene	**18.3**		µg/l		20.0		91	70-130	6	20
Styrene	**19.3**		µg/l		20.0		96	70-130	2	20
1,1,1,2-Tetrachloroethane	**19.3**		µg/l		20.0		97	70-130	0.9	20
1,1,2,2-Tetrachloroethane	**20.9**		µg/l		20.0		104	70-130	13	20
Tetrachloroethene	**17.1**		µg/l		20.0		85	70-130	0.5	20
Toluene	**17.7**		µg/l		20.0		89	70-130	0.7	20
1,2,3-Trichlorobenzene	**15.9**		µg/l		20.0		80	70-130	11	20
1,2,4-Trichlorobenzene	**16.9**		µg/l		20.0		84	70-130	6	20
1,3,5-Trichlorobenzene	**16.1**		µg/l		20.0		80	70-130	5	20
1,1,1-Trichloroethane	**17.8**		µg/l		20.0		89	70-130	0.2	20
1,1,2-Trichloroethane	**20.2**		µg/l		20.0		101	70-130	7	20
Trichloroethene	**16.7**		µg/l		20.0		83	70-130	0.5	20
Trichlorofluoromethane (Freon 11)	**15.8**		µg/l		20.0		79	70-130	3	20
1,2,3-Trichloropropane	**20.2**		µg/l		20.0		101	70-130	16	20
1,2,4-Trimethylbenzene	**20.0**		µg/l		20.0		100	70-130	1	20
1,3,5-Trimethylbenzene	**18.7**		µg/l		20.0		94	70-130	4	20
Vinyl chloride	**14.7**		µg/l		20.0		74	70-130	4	20
m,p-Xylene	**36.9**		µg/l		40.0		92	70-130	0.9	20
o-Xylene	**18.0**		µg/l		20.0		90	70-130	5	20
Tetrahydrofuran	**22.5**		µg/l		20.0		112	70-130	10	20
Ethyl ether	**19.1**		µg/l		20.0		95	70-130	0.9	20
Tert-amyl methyl ether	**19.5**		µg/l		20.0		98	70-130	3	20
Ethyl tert-butyl ether	**19.6**		µg/l		20.0		98	70-130	1	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304008 - SW846 5030 Water MS										
LCS Dup (1304008-BSD1)					Prepared & Analyzed: 20-Feb-13					
Di-isopropyl ether	**19.1**		µg/l		20.0		96	70-130	0.2	20
Tert-Butanol / butyl alcohol	**205**		µg/l		200		103	70-130	15	20
1,4-Dioxane	**214**		µg/l		200		107	70-130	4	20
trans-1,4-Dichloro-2-butene	**22.0**		µg/l		20.0		110	70-130	16	20
Ethanol	**410**		µg/l		400		102	70-130	18	20
Surrogate: 4-Bromofluorobenzene	*30.9*		µg/l		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.3*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*29.8*		µg/l		*30.0*		*99*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303978 - SW846 3510C										
Blank (1303978-BLK1)					Prepared: 20-Feb-13 Analyzed: 21-Feb-13					
Acenaphthene	< 0.050		µg/l	0.050						
Acenaphthylene	< 0.050		µg/l	0.050						
1-Methylnaphthalene	< 0.050		µg/l	0.050						
Anthracene	< 0.050		µg/l	0.050						
Benzo (a) anthracene	< 0.050		µg/l	0.050						
Benzo (a) pyrene	< 0.050		µg/l	0.050						
Benzo (b) fluoranthene	< 0.050		µg/l	0.050						
Benzo (g,h,i) perylene	< 0.050		µg/l	0.050						
Benzo (k) fluoranthene	< 0.050		µg/l	0.050						
Chrysene	< 0.050		µg/l	0.050						
Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050						
Fluoranthene	< 0.050		µg/l	0.050						
Fluorene	< 0.050		µg/l	0.050						
Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050						
2-Methylnaphthalene	< 0.050		µg/l	0.050						
Naphthalene	< 0.050		µg/l	0.050						
Phenanthrene	< 0.050		µg/l	0.050						
Pyrene	< 0.050		µg/l	0.050						
Surrogate: 2-Fluorobiphenyl	*26.5*		µg/l		*50.0*		*53*	*30-130*		
Surrogate: Terphenyl-dl4	*31.8*		µg/l		*50.0*		*64*	*30-130*		
LCS (1303978-BS1)					Prepared: 20-Feb-13 Analyzed: 21-Feb-13					
Acenaphthene	**0.797**		µg/l	0.050	1.00		80	40-140		
Acenaphthylene	**0.843**		µg/l	0.050	1.00		84	40-140		
1-Methylnaphthalene	**0.814**		µg/l	0.050	1.00		81	40-140		
Anthracene	**0.914**		µg/l	0.050	1.00		91	40-140		
Benzo (a) anthracene	**0.877**		µg/l	0.050	1.00		88	40-140		
Benzo (a) pyrene	**0.742**		µg/l	0.050	1.00		74	40-140		
Benzo (b) fluoranthene	**0.708**		µg/l	0.050	1.00		71	40-140		
Benzo (g,h,i) perylene	**0.629**		µg/l	0.050	1.00		63	40-140		
Benzo (k) fluoranthene	**0.715**		µg/l	0.050	1.00		72	40-140		
Chrysene	**0.766**		µg/l	0.050	1.00		77	40-140		
Dibenzo (a,h) anthracene	**0.713**		µg/l	0.050	1.00		71	40-140		
Fluoranthene	**0.916**		µg/l	0.050	1.00		92	40-140		
Fluorene	**0.862**		µg/l	0.050	1.00		86	40-140		
Indeno (1,2,3-cd) pyrene	**0.723**		µg/l	0.050	1.00		72	40-140		
2-Methylnaphthalene	**0.802**		µg/l	0.050	1.00		80	40-140		
Naphthalene	**0.778**		µg/l	0.050	1.00		78	40-140		
Phenanthrene	**0.866**		µg/l	0.050	1.00		87	40-140		
Pyrene	**0.891**		µg/l	0.050	1.00		89	40-140		
Surrogate: 2-Fluorobiphenyl	*0.700*		µg/l		*1.00*		*70*	*30-130*		
Surrogate: Terphenyl-dl4	*0.740*		µg/l		*1.00*		*74*	*30-130*		
LCS Dup (1303978-BSD1)					Prepared: 20-Feb-13 Analyzed: 21-Feb-13					
Acenaphthene	**0.685**		µg/l	0.050	1.00		68	40-140	15	20
Acenaphthylene	**0.721**		µg/l	0.050	1.00		72	40-140	16	20
1-Methylnaphthalene	**0.723**		µg/l	0.050	1.00		72	40-140	12	20
Anthracene	**0.779**		µg/l	0.050	1.00		78	40-140	16	20
Benzo (a) anthracene	**0.782**		µg/l	0.050	1.00		78	40-140	11	20
Benzo (a) pyrene	**0.647**		µg/l	0.050	1.00		65	40-140	14	20
Benzo (b) fluoranthene	**0.615**		µg/l	0.050	1.00		62	40-140	14	20
Benzo (g,h,i) perylene	**0.539**		µg/l	0.050	1.00		54	40-140	15	20
Benzo (k) fluoranthene	**0.646**		µg/l	0.050	1.00		65	40-140	10	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303978 - SW846 3510C										
LCS Dup (1303978-BSD1)					Prepared: 20-Feb-13 Analyzed: 21-Feb-13					
Chrysene	**0.662**		µg/l	0.050	1.00		66	40-140	15	20
Dibenzo (a,h) anthracene	**0.590**		µg/l	0.050	1.00		59	40-140	19	20
Fluoranthene	**0.777**		µg/l	0.050	1.00		78	40-140	16	20
Fluorene	**0.741**		µg/l	0.050	1.00		74	40-140	15	20
Indeno (1,2,3-cd) pyrene	**0.601**		µg/l	0.050	1.00		60	40-140	18	20
2-Methylnaphthalene	**0.693**		µg/l	0.050	1.00		69	40-140	15	20
Naphthalene	**0.689**		µg/l	0.050	1.00		69	40-140	12	20
Phenanthrene	**0.738**		µg/l	0.050	1.00		74	40-140	16	20
Pyrene	**0.770**		µg/l	0.050	1.00		77	40-140	15	20
Surrogate: 2-Fluorobiphenyl	*0.630*		µg/l		*1.00*		*63*	*30-130*		
Surrogate: Terphenyl-dl4	*0.640*		µg/l		*1.00*		*64*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303791 - SW846 3510C										
Blank (1303791-BLK1)					Prepared & Analyzed: 15-Feb-13					
Gasoline	< 0.2		mg/l	0.2						
Fuel Oil #2	< 0.2		mg/l	0.2						
Fuel Oil #4	< 0.2		mg/l	0.2						
Fuel Oil #6	< 0.2		mg/l	0.2						
Motor Oil	< 0.2		mg/l	0.2						
Aviation Fuel	< 0.2		mg/l	0.2						
Unidentified	< 0.2		mg/l	0.2						
Other Oil	< 0.2		mg/l	0.2						
Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2						
C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2						
n-Nonadecane	< 0.005		mg/l	0.005						
n-Nonane	< 0.005		mg/l	0.005						
n-Decane	< 0.005		mg/l	0.005						
n-Dodecane	< 0.005		mg/l	0.005						
n-Tetradecane	< 0.005		mg/l	0.005						
n-Hexadecane	< 0.005		mg/l	0.005						
n-Octadecane	< 0.005		mg/l	0.005						
n-Eicosane	< 0.005		mg/l	0.005						
n-Docosane	< 0.005		mg/l	0.005						
n-Tetracosane	< 0.005		mg/l	0.005						
n-Hexacosane	< 0.005		mg/l	0.005						
n-Octacosane	< 0.005		mg/l	0.005						
n-Triacontane	< 0.005		mg/l	0.005						
n-Hexatriacontane	< 0.005		mg/l	0.005						
Surrogate: 1-Chlorooctadecane	*0.0258*		mg/l		*0.0500*		*52*	*50-150*		
LCS (1303791-BS1)					Prepared & Analyzed: 15-Feb-13					
C9-C36 Aliphatic Hydrocarbons	**0.9**		mg/l	0.2	1.40		63	60-120		
Surrogate: 1-Chlorooctadecane	*0.0264*		mg/l		*0.0500*		*53*	*50-150*		
Batch 1304022 - SW846 3510C										
Blank (1304022-BLK1)					Prepared: 20-Feb-13 Analyzed: 22-Feb-13					
Gasoline	< 0.2		mg/l	0.2						
Fuel Oil #2	< 0.2		mg/l	0.2						
Fuel Oil #4	< 0.2		mg/l	0.2						
Fuel Oil #6	< 0.2		mg/l	0.2						
Motor Oil	< 0.2		mg/l	0.2						
Aviation Fuel	< 0.2		mg/l	0.2						
Unidentified	< 0.2		mg/l	0.2						
Other Oil	< 0.2		mg/l	0.2						
Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2						
C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2						
n-Nonadecane	< 0.005		mg/l	0.005						
n-Nonane	< 0.005		mg/l	0.005						
n-Decane	< 0.005		mg/l	0.005						
n-Dodecane	< 0.005		mg/l	0.005						
n-Tetradecane	< 0.005		mg/l	0.005						
n-Hexadecane	< 0.005		mg/l	0.005						
n-Octadecane	< 0.005		mg/l	0.005						
n-Eicosane	< 0.005		mg/l	0.005						
n-Docosane	< 0.005		mg/l	0.005						
n-Tetracosane	< 0.005		mg/l	0.005						
n-Hexacosane	< 0.005		mg/l	0.005						

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304022 - SW846 3510C										
Blank (1304022-BLK1)						Prepared: 20-Feb-13 Analyzed: 22-Feb-13				
n-Octacosane	< 0.005		mg/l	0.005						
n-Triacontane	< 0.005		mg/l	0.005						
n-Hexatriacontane	< 0.005		mg/l	0.005						
Surrogate: 1-Chlorooctadecane	*0.0333*		mg/l		*0.0500*		*67*	*50-150*		
LCS (1304022-BS1)						Prepared: 20-Feb-13 Analyzed: 21-Feb-13				
C9-C36 Aliphatic Hydrocarbons	**0.9**		mg/l	0.2	1.40		61	60-120		
Surrogate: 1-Chlorooctadecane	*0.0354*		mg/l		*0.0500*		*71*	*50-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303825 - SW846 3005A										
Blank (1303825-BLK1)					Prepared & Analyzed: 20-Feb-13					
Potassium	< 0.500		mg/l	0.500						
Manganese	< 0.0020		mg/l	0.0020						
Sodium	< 0.250		mg/l	0.250						
Magnesium	< 0.0100		mg/l	0.0100						
Iron	< 0.0150		mg/l	0.0150						
Silver	< 0.0050		mg/l	0.0050						
Copper	< 0.0050		mg/l	0.0050						
Cadmium	< 0.0025		mg/l	0.0025						
Calcium	< 0.100		mg/l	0.100						
Beryllium	< 0.0020		mg/l	0.0020						
Arsenic	< 0.0040		mg/l	0.0040						
Nickel	< 0.0050		mg/l	0.0050						
Barium	< 0.0050		mg/l	0.0050						
Antimony	< 0.0060		mg/l	0.0060						
Selenium	< 0.0150		mg/l	0.0150						
Thallium	< 0.0050		mg/l	0.0050						
Lead	< 0.0075		mg/l	0.0075						
Vanadium	< 0.0050		mg/l	0.0050						
Zinc	< 0.0050		mg/l	0.0050						
Chromium	< 0.0050		mg/l	0.0050						
LCS (1303825-BS1)					Prepared & Analyzed: 20-Feb-13					
Potassium	**12.4**		mg/l	0.500	12.5		99	85-115		
Iron	**1.33**		mg/l	0.0150	1.25		107	85-115		
Magnesium	**1.25**		mg/l	0.0100	1.25		100	85-115		
Manganese	**1.37**		mg/l	0.0020	1.25		110	85-115		
Sodium	**6.52**		mg/l	0.250	6.25		104	85-115		
Beryllium	**1.35**		mg/l	0.0020	1.25		108	85-115		
Zinc	**1.35**		mg/l	0.0050	1.25		108	85-115		
Thallium	**1.26**		mg/l	0.0050	1.25		101	85-115		
Selenium	**1.24**		mg/l	0.0150	1.25		99	85-115		
Nickel	**1.21**		mg/l	0.0050	1.25		97	85-115		
Lead	**1.26**		mg/l	0.0075	1.25		101	85-115		
Antimony	**1.23**		mg/l	0.0060	1.25		98	85-115		
Silver	**1.31**		mg/l	0.0050	1.25		105	85-115		
Copper	**1.32**		mg/l	0.0050	1.25		106	85-115		
Barium	**1.37**		mg/l	0.0050	1.25		110	85-115		
Calcium	**6.55**		mg/l	0.100	6.25		105	85-115		
Cadmium	**1.26**		mg/l	0.0025	1.25		101	85-115		
Chromium	**1.38**		mg/l	0.0050	1.25		110	85-115		
Vanadium	**1.25**		mg/l	0.0050	1.25		100	85-115		
Arsenic	**1.23**		mg/l	0.0040	1.25		98	85-115		
LCS Dup (1303825-BSD1)					Prepared & Analyzed: 20-Feb-13					
Potassium	**12.3**		mg/l	0.500	12.5		99	85-115	0.2	20
Sodium	**6.44**		mg/l	0.250	6.25		103	85-115	1	20
Manganese	**1.38**		mg/l	0.0020	1.25		110	85-115	0.8	20
Magnesium	**1.25**		mg/l	0.0100	1.25		100	85-115	0.2	20
Iron	**1.35**		mg/l	0.0150	1.25		108	85-115	1	20
Calcium	**6.56**		mg/l	0.100	6.25		105	85-115	0.2	20
Chromium	**1.37**		mg/l	0.0050	1.25		110	85-115	0.2	20
Lead	**1.28**		mg/l	0.0075	1.25		102	85-115	0.9	20
Nickel	**1.20**		mg/l	0.0050	1.25		96	85-115	0.4	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303825 - SW846 3005A										
LCS Dup (1303825-BSD1)					Prepared & Analyzed: 20-Feb-13					
Antimony	**1.24**		mg/l	0.0060	1.25		99	85-115	0.7	20
Selenium	**1.24**		mg/l	0.0150	1.25		99	85-115	0.6	20
Thallium	**1.26**		mg/l	0.0050	1.25		101	85-115	0.3	20
Vanadium	**1.25**		mg/l	0.0050	1.25		100	85-115	0.04	20
Zinc	**1.35**		mg/l	0.0050	1.25		108	85-115	0.04	20
Barium	**1.36**		mg/l	0.0050	1.25		109	85-115	0.6	20
Copper	**1.33**		mg/l	0.0050	1.25		107	85-115	0.8	20
Silver	**1.32**		mg/l	0.0050	1.25		106	85-115	0.7	20
Cadmium	**1.26**		mg/l	0.0025	1.25		101	85-115	0.4	20
Beryllium	**1.36**		mg/l	0.0020	1.25		109	85-115	0.2	20
Arsenic	**1.23**		mg/l	0.0040	1.25		99	85-115	0.4	20
Duplicate (1303825-DUP1)			**Source: SB64588-09**			Prepared & Analyzed: 20-Feb-13				
Potassium	**3.49**		mg/l	0.500		3.42			2	20
Magnesium	**6.65**		mg/l	0.0100		6.62			0.4	20
Manganese	**0.273**		mg/l	0.0020		0.272			0.1	20
Sodium	**5.76**		mg/l	0.250		5.42			6	20
Iron	**2.25**		mg/l	0.0150		2.30			2	20
Copper	**0.0026**	J	mg/l	0.0050		0.0028			8	20
Thallium	< 0.0050		mg/l	0.0050		BRL				20
Selenium	< 0.0150		mg/l	0.0150		BRL				20
Antimony	< 0.0060		mg/l	0.0060		BRL				20
Lead	< 0.0075		mg/l	0.0075		BRL				20
Nickel	**0.0067**		mg/l	0.0050		0.0067			0	20
Silver	< 0.0050		mg/l	0.0050		BRL				20
Arsenic	< 0.0040		mg/l	0.0040		BRL				20
Barium	**0.0998**		mg/l	0.0050		0.0951			5	20
Vanadium	< 0.0050		mg/l	0.0050		BRL				20
Beryllium	< 0.0020		mg/l	0.0020		BRL				20
Zinc	**0.128**		mg/l	0.0050		0.132			3	20
Chromium	< 0.0050		mg/l	0.0050		BRL				20
Cadmium	< 0.0025		mg/l	0.0025		BRL				20
Calcium	**21.4**		mg/l	0.100		21.4			0.02	20
Matrix Spike (1303825-MS1)			**Source: SB64588-10**			Prepared & Analyzed: 20-Feb-13				
Potassium	**15.7**		mg/l	0.500	12.5	3.60	97	75-125		
Magnesium	**9.14**		mg/l	0.0100	1.25	7.88	101	75-125		
Manganese	**1.66**		mg/l	0.0020	1.25	0.327	107	75-125		
Sodium	**12.1**		mg/l	0.250	6.25	6.11	96	75-125		
Iron	**4.28**		mg/l	0.0150	1.25	2.89	111	75-125		
Cadmium	**1.25**		mg/l	0.0025	1.25	BRL	100	75-125		
Thallium	**1.28**		mg/l	0.0050	1.25	BRL	102	75-125		
Silver	**1.33**		mg/l	0.0050	1.25	BRL	107	75-125		
Calcium	**30.7**		mg/l	0.100	6.25	23.8	109	75-125		
Vanadium	**1.24**		mg/l	0.0050	1.25	BRL	99	70-130		
Selenium	**1.26**		mg/l	0.0150	1.25	BRL	101	75-125		
Antimony	**1.26**		mg/l	0.0060	1.25	BRL	101	75-125		
Lead	**1.28**		mg/l	0.0075	1.25	BRL	102	75-125		
Nickel	**1.17**		mg/l	0.0050	1.25	0.0074	93	75-125		
Copper	**1.36**		mg/l	0.0050	1.25	0.0032	109	75-125		
Chromium	**1.33**		mg/l	0.0050	1.25	BRL	106	75-125		
Beryllium	**1.29**		mg/l	0.0020	1.25	BRL	103	75-125		
Arsenic	**1.24**		mg/l	0.0040	1.25	BRL	99	75-125		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303825 - SW846 3005A										
Matrix Spike (1303825-MS1)			**Source: SB64588-10**		Prepared & Analyzed: 20-Feb-13					
Barium	**1.42**		mg/l	0.0050	1.25	0.109	105	75-125		
Zinc	**1.36**		mg/l	0.0050	1.25	0.105	101	75-125		
Matrix Spike Dup (1303825-MSD1)			**Source: SB64588-10**		Prepared & Analyzed: 20-Feb-13					
Iron	**4.13**		mg/l	0.0150	1.25	2.89	99	75-125	4	20
Sodium	**13.1**		mg/l	0.250	6.25	6.11	112	75-125	8	20
Manganese	**1.66**		mg/l	0.0020	1.25	0.327	107	75-125	0.03	20
Magnesium	**9.08**		mg/l	0.0100	1.25	7.88	96	75-125	0.6	20
Potassium	**16.2**		mg/l	0.500	12.5	3.60	101	75-125	3	20
Arsenic	**1.20**		mg/l	0.0040	1.25	BRL	96	75-125	4	20
Antimony	**1.21**		mg/l	0.0060	1.25	BRL	96	75-125	4	20
Nickel	**1.16**		mg/l	0.0050	1.25	0.0074	92	75-125	0.6	20
Copper	**1.33**		mg/l	0.0050	1.25	0.0032	106	75-125	3	20
Chromium	**1.39**		mg/l	0.0050	1.25	BRL	111	75-125	5	20
Cadmium	**1.21**		mg/l	0.0025	1.25	BRL	97	75-125	3	20
Calcium	**30.3**		mg/l	0.100	6.25	23.8	103	75-125	1	20
Barium	**1.51**		mg/l	0.0050	1.25	0.109	112	75-125	6	20
Selenium	**1.20**		mg/l	0.0150	1.25	BRL	96	75-125	5	20
Silver	**1.33**		mg/l	0.0050	1.25	BRL	106	75-125	0.2	20
Beryllium	**1.38**		mg/l	0.0020	1.25	BRL	110	75-125	7	20
Vanadium	**1.25**		mg/l	0.0050	1.25	BRL	100	70-130	0.3	20
Zinc	**1.33**		mg/l	0.0050	1.25	0.105	98	75-125	3	20
Lead	**1.23**		mg/l	0.0075	1.25	BRL	98	75-125	4	20
Thallium	**1.26**		mg/l	0.0050	1.25	BRL	100	75-125	2	20
Post Spike (1303825-PS1)			**Source: SB64588-10**		Prepared & Analyzed: 20-Feb-13					
Manganese	**1.69**		mg/l	0.0020	1.25	0.327	109	80-120		
Sodium	**12.4**		mg/l	0.250	6.25	6.11	101	80-120		
Magnesium	**9.18**		mg/l	0.0100	1.25	7.88	104	80-120		
Potassium	**16.0**		mg/l	0.500	12.5	3.60	99	80-120		
Iron	**4.26**		mg/l	0.0150	1.25	2.89	110	80-120		
Antimony	**1.25**		mg/l	0.0060	1.25	BRL	100	80-120		
Zinc	**1.37**		mg/l	0.0050	1.25	0.105	101	80-120		
Vanadium	**1.26**		mg/l	0.0050	1.25	BRL	101	80-120		
Nickel	**1.18**		mg/l	0.0050	1.25	0.0074	94	80-120		
Selenium	**1.25**		mg/l	0.0150	1.25	BRL	100	80-120		
Chromium	**1.36**		mg/l	0.0050	1.25	BRL	109	80-120		
Lead	**1.27**		mg/l	0.0075	1.25	BRL	102	80-120		
Silver	**1.34**		mg/l	0.0050	1.25	BRL	108	80-120		
Arsenic	**1.24**		mg/l	0.0040	1.25	BRL	99	80-120		
Barium	**1.45**		mg/l	0.0050	1.25	0.109	107	80-120		
Beryllium	**1.33**		mg/l	0.0020	1.25	BRL	106	80-120		
Calcium	**30.8**		mg/l	0.100	6.25	23.8	112	80-120		
Cadmium	**1.25**		mg/l	0.0025	1.25	BRL	100	80-120		
Copper	**1.36**		mg/l	0.0050	1.25	0.0032	109	80-120		
Thallium	**1.28**		mg/l	0.0050	1.25	BRL	102	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303826 - EPA200/SW7000 Series										
Blank (1303826-BLK1)					Prepared: 20-Feb-13	Analyzed: 21-Feb-13				
Mercury	< 0.00020		mg/l	0.00020						
LCS (1303826-BS1)					Prepared: 20-Feb-13	Analyzed: 21-Feb-13				
Mercury	**0.00515**		mg/l	0.00020	0.00500		103	85-115		
Duplicate (1303826-DUP1)			**Source: SB64588-01**		Prepared: 20-Feb-13	Analyzed: 21-Feb-13				
Mercury	< 0.00020		mg/l	0.00020		BRL				20
Matrix Spike (1303826-MS1)			**Source: SB64588-01**		Prepared: 20-Feb-13	Analyzed: 21-Feb-13				
Mercury	**0.00475**		mg/l	0.00020	0.00500	BRL	95	80-120		
Matrix Spike Dup (1303826-MSD1)			**Source: SB64588-01**		Prepared: 20-Feb-13	Analyzed: 21-Feb-13				
Mercury	**0.00493**		mg/l	0.00020	0.00500	BRL	99	80-120	4	20
Post Spike (1303826-PS1)			**Source: SB64588-01**		Prepared: 20-Feb-13	Analyzed: 21-Feb-13				
Mercury	**0.00477**		mg/l	0.00020	0.00500	BRL	95	85-115		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303758 - General Preparation										
Blank (1303758-BLK1)						Prepared: 14-Feb-13	Analyzed: 15-Feb-13			
Chloride	< 1.00		mg/l	1.00						
Nitrite as N	< 0.100		mg/l	0.100						
Sulfate as SO4	< 1.00		mg/l	1.00						
Nitrate as N	< 0.100		mg/l	0.100						
LCS (1303758-BS1)						Prepared: 14-Feb-13	Analyzed: 15-Feb-13			
Nitrite as N	**2.10**		mg/l	0.100	2.00		105	90-110		
Chloride	**20.9**		mg/l	1.00	20.0		105	90-110		
Sulfate as SO4	**20.2**		mg/l	1.00	20.0		101	90-110		
Nitrate as N	**2.01**		mg/l	0.100	2.00		100	90-110		
Duplicate (1303758-DUP2)			**Source: SB64588-01**			Prepared: 14-Feb-13	Analyzed: 15-Feb-13			
Sulfate as SO4	**29.0**		mg/l	1.00		29.2			0.7	20
Chloride	**29.5**		mg/l	1.00		29.8			0.9	20
Nitrate as N	**0.790**		mg/l	0.100		0.820			4	20
Matrix Spike (1303758-MS2)			**Source: SB64588-01**			Prepared: 14-Feb-13	Analyzed: 15-Feb-13			
Chloride	**33.2**	QM4X	mg/l	1.00	4.00	29.8	85	90-110		
Sulfate as SO4	**31.8**	QM4X	mg/l	1.00	4.00	29.2	66	90-110		
Nitrate as N	**1.14**	QM7	mg/l	0.100	0.400	0.820	80	90-110		
Matrix Spike Dup (1303758-MSD2)			**Source: SB64588-01**			Prepared: 14-Feb-13	Analyzed: 15-Feb-13			
Sulfate as SO4	**32.3**	QM4X	mg/l	1.00	4.00	29.2	78	90-110	2	20
Chloride	**33.4**		mg/l	1.00	4.00	29.8	90	90-110	0.6	20
Nitrate as N	**1.16**	QM7	mg/l	0.100	0.400	0.820	85	90-110	2	20
Reference (1303758-SRM1)						Prepared: 14-Feb-13	Analyzed: 15-Feb-13			
Chloride	**25.5**		mg/l	1.00	25.0		102	90-110		
Sulfate as SO4	**24.4**		mg/l	1.00	25.0		98	90-110		
Nitrite as N	**2.56**		mg/l	0.100	2.50		102	90-110		
Nitrate as N	**2.36**		mg/l	0.100	2.50		94	90-110		
Batch 1303840 - General Preparation										
Blank (1303840-BLK1)						Prepared & Analyzed: 15-Feb-13				
Nitrite as N	< 0.100		mg/l	0.100						
Chloride	< 1.00		mg/l	1.00						
LCS (1303840-BS1)						Prepared & Analyzed: 15-Feb-13				
Chloride	**20.6**		mg/l	1.00	20.0		103	90-110		
Nitrite as N	**2.05**		mg/l	0.100	2.00		102	90-110		
Reference (1303840-SRM1)						Prepared & Analyzed: 15-Feb-13				
Chloride	**25.4**		mg/l	1.00	25.0		102	90-110		
Nitrite as N	**2.53**		mg/l	0.100	2.50		101	90-110		
Batch 1303853 - General Preparation										
Blank (1303853-BLK1)						Prepared & Analyzed: 15-Feb-13				
Sulfide	< 0.100		mg/l	0.100						
LCS (1303853-BS1)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.490**		mg/l	0.100	0.500		98	80-120		
Calibration Blank (1303853-CCB1)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.00**		mg/l							
Calibration Blank (1303853-CCB2)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.00**		mg/l							
Calibration Blank (1303853-CCB3)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.00**		mg/l							
Calibration Blank (1303853-CCB4)						Prepared & Analyzed: 15-Feb-13				
Sulfide	**0.0120**		mg/l							
Calibration Check (1303853-CCV1)						Prepared & Analyzed: 15-Feb-13				

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303853 - General Preparation										
Calibration Check (1303853-CCV1)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.491**		mg/l	0.100	0.500		98	90-110		
Calibration Check (1303853-CCV2)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.489**		mg/l	0.100	0.500		98	90-110		
Calibration Check (1303853-CCV3)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.489**		mg/l	0.100	0.500		98	90-110		
Calibration Check (1303853-CCV4)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.489**		mg/l	0.100	0.500		98	90-110		
Batch 1303856 - General Preparation										
Blank (1303856-BLK1)					Prepared & Analyzed: 15-Feb-13					
Sulfide	< 0.100		mg/l	0.100						
LCS (1303856-BS1)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.489**		mg/l	0.100	0.500		98	80-120		
Calibration Blank (1303856-CCB1)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.0140**		mg/l							
Calibration Blank (1303856-CCB2)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.0200**		mg/l							
Calibration Blank (1303856-CCB3)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.00400**		mg/l							
Calibration Blank (1303856-CCB4)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.00400**		mg/l							
Calibration Check (1303856-CCV1)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.489**		mg/l	0.100	0.500		98	90-110		
Calibration Check (1303856-CCV2)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.489**		mg/l	0.100	0.500		98	90-110		
Calibration Check (1303856-CCV3)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.489**		mg/l	0.100	0.500		98	90-110		
Calibration Check (1303856-CCV4)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.489**		mg/l	0.100	0.500		98	90-110		
Duplicate (1303856-DUP1)			**Source: SB64588-10**		Prepared & Analyzed: 15-Feb-13					
Sulfide	< 0.100		mg/l	0.100		BRL				20
Matrix Spike (1303856-MS1)			**Source: SB64588-10**		Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.494**		mg/l	0.100	0.500	BRL	99	70-130		
Matrix Spike Dup (1303856-MSD1)			**Source: SB64588-10**		Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.494**		mg/l	0.100	0.500	BRL	99	70-130	0	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S212973				
Initial Cal Check (S212973-ICV1)				
C9-C36 Aliphatic Hydrocarbons	6.476133E+08	4.834892E+08	6.8	30
n-Nonadecane	4.03547E+08	3.752543E+08	-7.0	30
n-Nonane	3.906411E+08	3.990618E+08	2.2	30
n-Decane	3.999091E+08	4.019773E+08	0.5	30
n-Dodecane	4.054153E+08	3.998373E+08	-1.4	30
n-Tetradecane	4.08836E+08	3.925795E+08	-4.0	30
n-Hexadecane	4.311585E+08	3.850199E+08	-10.7	30
n-Octadecane	4.104382E+08	3.794426E+08	-7.6	30
n-Eicosane	4.071355E+08	3.684122E+08	-9.5	30
n-Docosane	4.02309E+08	3.618217E+08	-10.1	30
n-Tetracosane	3.980935E+08	3.520876E+08	-11.6	30
n-Hexacosane	3.922899E+08	3.454935E+08	-11.9	30
n-Octacosane	3.784617E+08	3.306998E+08	-12.6	30
n-Triacontane	3.714671E+08	3.390496E+08	-8.7	30
n-Hexatriacontane	3.586003E+08	3.327185E+08	-7.2	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S213327				
Initial Cal Check (S213327-ICV1)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	4.172451E+08	-0.7	30
n-Nonadecane	3.745961E+08	3.59851E+08	-3.9	30
n-Nonane	3.518477E+08	3.302035E+08	-6.2	30
n-Decane	3.529094E+08	3.288622E+08	-6.8	30
n-Dodecane	3.518164E+08	3.322097E+08	-5.6	30
n-Tetradecane	3.572305E+08	3.375628E+08	-5.5	30
n-Hexadecane	3.744608E+08	3.467755E+08	-7.4	30
n-Octadecane	3.788767E+08	3.559894E+08	-6.0	30
n-Eicosane	3.823902E+08	3.589655E+08	-6.1	30
n-Docosane	3.820764E+08	3.633782E+08	-4.9	30
n-Tetracosane	3.827095E+08	3.647666E+08	-4.7	30
n-Hexacosane	3.827387E+08	3.658727E+08	-4.4	30
n-Octacosane	3.778821E+08	3.551134E+08	-6.0	30
n-Triacontane	3.760388E+08	3.625737E+08	-3.6	30
n-Hexatriacontane	3.596146E+08	3.377967E+08	-6.1	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301800				
Calibration Check (S301800-CCV1)				
C9-C36 Aliphatic Hydrocarbons	6.476133E+08	4.520842E+08	-1.2	30
n-Nonadecane	4.03547E+08	4.154434E+08	2.9	30
n-Nonane	3.906411E+08	3.732987E+08	-4.4	30
n-Decane	3.999091E+08	3.872268E+08	-3.2	30
n-Dodecane	4.054153E+08	3.958346E+08	-2.4	30
n-Tetradecane	4.08836E+08	4.007008E+08	-2.0	30
n-Hexadecane	4.311585E+08	4.109246E+08	-4.7	30
n-Octadecane	4.104382E+08	4.164023E+08	1.5	30
n-Eicosane	4.071355E+08	4.212004E+08	3.5	30
n-Docosane	4.02309E+08	4.159793E+08	3.4	30
n-Tetracosane	3.980935E+08	4.127698E+08	3.7	30
n-Hexacosane	3.922899E+08	4.130913E+08	5.3	30
n-Octacosane	3.784617E+08	4.076962E+08	7.7	30
n-Triacontane	3.714671E+08	4.088129E+08	10.1	30
n-Hexatriacontane	3.586003E+08	4.001036E+08	11.6	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301800				
Calibration Check (S301800-CCV2)				
C9-C36 Aliphatic Hydrocarbons	6.476133E+08	4.553572E+08	-0.4	30
n-Nonadecane	4.03547E+08	4.067473E+08	0.8	30
n-Nonane	3.906411E+08	3.809258E+08	-2.5	30
n-Decane	3.999091E+08	3.969114E+08	-0.7	30
n-Dodecane	4.054153E+08	3.910404E+08	-3.5	30
n-Tetradecane	4.08836E+08	3.953118E+08	-3.3	30
n-Hexadecane	4.311585E+08	4.035232E+08	-6.4	30
n-Octadecane	4.104382E+08	4.094778E+08	-0.2	30
n-Eicosane	4.071355E+08	4.1184E+08	1.2	30
n-Docosane	4.02309E+08	4.061013E+08	0.9	30
n-Tetracosane	3.980935E+08	4.022536E+08	1.0	30
n-Hexacosane	3.922899E+08	4.018316E+08	2.4	30
n-Octacosane	3.784617E+08	3.966806E+08	4.8	30
n-Triacontane	3.714671E+08	3.969978E+08	6.9	30
n-Hexatriacontane	3.586003E+08	3.885626E+08	8.4	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301909				
Calibration Check (S301909-CCV1)				
C9-C36 Aliphatic Hydrocarbons	6.476133E+08	4.376246E+08	-4.9	30
n-Nonadecane	4.03547E+08	3.954972E+08	-2.0	30
n-Nonane	3.906411E+08	3.846106E+08	-1.5	30
n-Decane	3.999091E+08	3.922529E+08	-1.9	30
n-Dodecane	4.054153E+08	3.933186E+08	-3.0	30
n-Tetradecane	4.08836E+08	3.931326E+08	-3.8	30
n-Hexadecane	4.311585E+08	3.977405E+08	-7.8	30
n-Octadecane	4.104382E+08	3.991982E+08	-2.7	30
n-Eicosane	4.071355E+08	3.991941E+08	-2.0	30
n-Docosane	4.02309E+08	3.908283E+08	-2.9	30
n-Tetracosane	3.980935E+08	3.85295E+08	-3.2	30
n-Hexacosane	3.922899E+08	3.871706E+08	-1.3	30
n-Octacosane	3.784617E+08	3.802785E+08	0.5	30
n-Triacontane	3.714671E+08	3.803203E+08	2.4	30
n-Hexatriacontane	3.586003E+08	3.774954E+08	5.3	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301909				
Calibration Check (S301909-CCV2)				
C9-C36 Aliphatic Hydrocarbons	6.476133E+08	4.215031E+08	-8.9	30
n-Nonadecane	4.03547E+08	4.03249E+08	-0.07	30
n-Nonane	3.906411E+08	3.828522E+08	-2.0	30
n-Decane	3.999091E+08	3.908816E+08	-2.3	30
n-Dodecane	4.054153E+08	3.90773E+08	-3.6	30
n-Tetradecane	4.08836E+08	3.936636E+08	-3.7	30
n-Hexadecane	4.311585E+08	3.993739E+08	-7.4	30
n-Octadecane	4.104382E+08	4.041954E+08	-1.5	30
n-Eicosane	4.071355E+08	4.054534E+08	-0.4	30
n-Docosane	4.02309E+08	3.992754E+08	-0.8	30
n-Tetracosane	3.980935E+08	3.949705E+08	-0.8	30
n-Hexacosane	3.922899E+08	3.979818E+08	1.5	30
n-Octacosane	3.784617E+08	3.908864E+08	3.3	30
n-Triacontane	3.714671E+08	3.902058E+08	5.0	30
n-Hexatriacontane	3.586003E+08	3.81789E+08	6.5	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301909				
Calibration Check (S301909-CCV3)				
C9-C36 Aliphatic Hydrocarbons	6.476133E+08	4.777151E+08	5.3	30
n-Nonadecane	4.03547E+08	4.135135E+08	2.5	30
n-Nonane	3.906411E+08	3.878426E+08	-0.7	30
n-Decane	3.999091E+08	4.043545E+08	1.1	30
n-Dodecane	4.054153E+08	4.013266E+08	-1.0	30
n-Tetradecane	4.08836E+08	4.040271E+08	-1.2	30
n-Hexadecane	4.311585E+08	4.108915E+08	-4.7	30
n-Octadecane	4.104382E+08	4.160648E+08	1.4	30
n-Eicosane	4.071355E+08	4.183619E+08	2.8	30
n-Docosane	4.02309E+08	4.121584E+08	2.4	30
n-Tetracosane	3.980935E+08	4.095313E+08	2.9	30
n-Hexacosane	3.922899E+08	4.131044E+08	5.3	30
n-Octacosane	3.784617E+08	4.063028E+08	7.4	30
n-Triacontane	3.714671E+08	4.068478E+08	9.5	30
n-Hexatriacontane	3.586003E+08	4.016596E+08	12.0	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301955				
Calibration Check (S301955-CCV1)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.353702E+08	-21.3	30
n-Nonadecane	3.745961E+08	3.086265E+08	-17.6	30
n-Nonane	3.518477E+08	2.8003E+08	-20.4	30
n-Decane	3.529094E+08	2.705098E+08	-23.3	30
n-Dodecane	3.518164E+08	2.598213E+08	-26.1	30
n-Tetradecane	3.572305E+08	2.94465E+08	-17.6	30
n-Hexadecane	3.744608E+08	3.049289E+08	-18.6	30
n-Octadecane	3.788767E+08	3.093699E+08	-18.3	30
n-Eicosane	3.823902E+08	3.123416E+08	-18.3	30
n-Docosane	3.820764E+08	3.088342E+08	-19.2	30
n-Tetracosane	3.827095E+08	3.089523E+08	-19.3	30
n-Hexacosane	3.827387E+08	3.113123E+08	-18.7	30
n-Octacosane	3.778821E+08	3.074558E+08	-18.6	30
n-Triacontane	3.760388E+08	3.060597E+08	-18.6	30
n-Hexatriacontane	3.596146E+08	2.988849E+08	-16.9	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301955				
Calibration Check (S301955-CCV2)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.592314E+08	-15.3	30
n-Nonadecane	3.745961E+08	3.324486E+08	-11.3	30
n-Nonane	3.518477E+08	2.967021E+08	-15.7	30
n-Decane	3.529094E+08	2.903361E+08	-17.7	30
n-Dodecane	3.518164E+08	2.842563E+08	-19.2	30
n-Tetradecane	3.572305E+08	3.153224E+08	-11.7	30
n-Hexadecane	3.744608E+08	3.279789E+08	-12.4	30
n-Octadecane	3.788767E+08	3.323224E+08	-12.3	30
n-Eicosane	3.823902E+08	3.368399E+08	-11.9	30
n-Docosane	3.820764E+08	3.348139E+08	-12.4	30
n-Tetracosane	3.827095E+08	3.358076E+08	-12.3	30
n-Hexacosane	3.827387E+08	3.366415E+08	-12.0	30
n-Octacosane	3.778821E+08	3.324369E+08	-12.0	30
n-Triacontane	3.760388E+08	3.30562E+08	-12.1	30
n-Hexatriacontane	3.596146E+08	3.251707E+08	-9.6	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301955				
Calibration Check (S301955-CCV3)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.607576E+08	-14.9	30
n-Nonadecane	3.745961E+08	3.345576E+08	-10.7	30
n-Nonane	3.518477E+08	3.101475E+08	-11.9	30
n-Decane	3.529094E+08	3.036594E+08	-14.0	30
n-Dodecane	3.518164E+08	2.959034E+08	-15.9	30
n-Tetradecane	3.572305E+08	3.168613E+08	-11.3	30
n-Hexadecane	3.744608E+08	3.31935E+08	-11.4	30
n-Octadecane	3.788767E+08	3.35744E+08	-11.4	30
n-Eicosane	3.823902E+08	3.383871E+08	-11.5	30
n-Docosane	3.820764E+08	3.359371E+08	-12.1	30
n-Tetracosane	3.827095E+08	3.34865E+08	-12.5	30
n-Hexacosane	3.827387E+08	3.370138E+08	-11.9	30
n-Octacosane	3.778821E+08	3.337242E+08	-11.7	30
n-Triacontane	3.760388E+08	3.332836E+08	-11.4	30
n-Hexatriacontane	3.596146E+08	3.297466E+08	-8.3	30

Notes and Definitions

D	Data reported from a dilution
D35	Sample does not display a fuel pattern. Sample contains several discreet peaks.
E	This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
HT7	The sample was originally analyzed within the EPA recommended hold time. In order to be within the calibration range, a dilution was required. The reported value was reanalyzed beyond the recommended hold time.
PH	Insufficient preservative to reduce the sample pH to less than 2.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QC5	Sample was originally analyzed within hold time; however, it was determined that positive interference was contributing to the sample result. The sample was reanalyzed at a dilution to eliminate the interference.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
R01	The Reporting Limit has been raised to account for matrix interference.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk
Nicole Leja

3B64588

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling: 5
☒ Standard TAT - ~~7 to 10~~ business days
☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise
Rocky Hill CT

Telephone #: 860 263 5500
Project Mgr. M. Baker

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich State: CT
Sampler(s): MR / JT

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 11= ice 12= _____

List preservative code below: 2 | 11 | 11 | 4 | 4 | 5 | 11 | 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☒
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs	ETPH	PAHs	CT RCP Metals	Na, Ca, K, Fe, Mn, Mg	Sulfide	N, NH, Sulfate, N-NH4, chloride	Carb & bi-carb alkalinity	State-specific reporting standards
64588-01	MW-P11-021313-1	2/13/13	1600	G	GW	3	3		~~2~~ 7	X	X	X	X	X	X	X	X	GWPC + SWPC
02	MW-T23-021313-1	2/13/13	1230	G	GW	3			1	X					X			
02 ~~03~~	MW-T23-021413-1	2/14/13	0730	G	GW		3		1		X	X	X	X		X	X	Ignore date & time on labels - incorrect
03 ~~04~~	MW-V12-021413-1	2/14/13	0900	G	GW	3	3		2	X	X	X	X	X	X	X	X	
04 ~~05~~	MW-AE8-021413-1	2/14/13	1030	G	GW	3	3		2	X	X	X	X	X	X	X	X	
05 ~~06~~	MW-Y9-021413-1	2/14/13	1130	G	GW	3	3		2	X	X	X	X	X	X	X	X	
06 ~~07~~	MW-Y15-021413-1	2/14/13	1245	G	GW	3	3		2	X	X	X	X	X	X	X	X	
07 ~~08~~	MW-AH16-021413-1	2/14/13	1400	G	GW	3	3		2	X	X	X	X	X	X	X	X	
08 ~~09~~	MW-AG10-021413-1	2/14/13	1030	G	GW	3	3		2	X	X	X	X	X	X	X	X	
09 ~~10~~	MW-AJ13-021413-1	2/14/13	1245	G	GW	3	3		2	X	X	X	X	X	X	X	X	

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[signature]	[signature]	2/15/13	1530	
[signature]	[signature]	2/14/13	1800	0.7

☒ EDD Format EQuIS
☒ E-mail to colleen.neff@aecom.com
michael.baker@aecom.com

Condition upon receipt:
☒ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SB64588 JB

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling: 5
☒ Standard TAT - 7 ~~to 10 bu~~siness days
☐ Rush TAT - Date Needed: _____
· All TATs subject to laboratory approval.
· Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
500 Enterprise
Rocky Hill, CT

Telephone #: 860 263 5800
Project Mgr. M. Beeler

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich Rd State: CT
Sampler(s): MR / JT

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 11= ice 12= _____

List preservative code below: 2 | 11 | 11 | 4 | 4 | 5 | 11 | 11

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☒
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id: 10	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs	ETPH	PAHs	CT RCP Metals	Na, K, Fe, Mg, Mn, Ca	Sulfide	Nitrate, Nitrite, Sulfate, chloride, cyanide & total alkalinity		State-specific reporting standards
64588-11	MW-AJ13-021413-2	2/14/13	1320	G	GW	3	3		2		X	X	X	X	X	X	X	X	GWPL + SWPL
12	Trip Blank	2/14/13		G	AQ	1					X								
11																			

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	2/15/13	1520	
[signature]	[signature]	2/14/13	1800	0.7

☒ EDD Format equis
☒ E-mail to colleen.scott@aecom.com
Malcolm.beeler@aecom.com

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
25-Feb-13 16:57

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

AECOM Environment
500 Enterprise Drive, Suite 1A
Rocky Hill, CT 06067
Attn: Malcolm Beeler

Project: Greenwich HS - Greenwich, CT
Project #: 60225155

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB64640-01	MW-AP11-021413-1	Ground Water	14-Feb-13 15:45	15-Feb-13 14:20
SB64640-02	MW-AM16-021413-1	Ground Water	14-Feb-13 15:00	15-Feb-13 14:20
SB64640-03	MW-AV17-021413-1	Ground Water	14-Feb-13 16:20	15-Feb-13 14:20
SB64640-04	MW-AA12-021513-1	Ground Water	15-Feb-13 08:00	15-Feb-13 14:20
SB64640-05	MW-AG30-21513-1	Ground Water	15-Feb-13 09:30	15-Feb-13 14:20
SB64640-06	Trip Blank	Aqueous	15-Feb-13 00:00	15-Feb-13 14:20

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 60 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: AECOM Environment - Rocky Hill, CT

Project Location: Greenwich HS - Greenwich, CT

Project Number: 60225155

Sampling Date(s):
2/14/2013 through 2/15/2013

Laboratory Sample ID(s):
SB64640-01 through SB64640-06

RCP Methods Used:

CT ETPH
EPA 245.1/7470A
SW846 6010C
SW846 8260C
SW846 8270D SIM

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	Yes	✓ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	✓ Yes ✓ Yes	No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes	✓ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 2/25/2013

CASE NARRATIVE:

The samples were received 0.4 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

According to CTDEP RCP Quality Assurance and Quality Control Requirements for VOCs by method 8260, SW-846 version 1, 7/28/05 Table 1A, recovery for some VOC analytes have been deemed potentially difficult.

Due to possible microbial action or loss or gain of gases when the sample is exposed to air, the sampling recommendation for alkalinity or acidity suggests a separate bottle filled completely and capped tightly. When possible, testing for alkalinity or acidity is performed as soon as possible from the designated unopened, full container.

Effective 8/8/2012, the reporting limit for CT ETPH has been raised as proposed by the CT DEP from 0.100 mg/L to 0.200 mg/L for aqueous samples. This Reporting Limit is still lower than the CT DEP proposed Reporting Limit of 0.250 mg/L.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 300.0

Samples:

SB64640-01 *MW-AP11-021413-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sulfate as SO4

The Reporting Limit has been raised to account for matrix interference.

Chloride
Nitrate as N
Nitrite as N

SB64640-02 *MW-AM16-021413-1*

Sample was originally analyzed within hold time; however, it was determined that positive interference was contributing to the sample result. The sample was reanalyzed at a dilution to eliminate the interference.

Nitrite as N

EPA 300.0

Samples:

SB64640-02 *MW-AM16-021413-1*

The Reporting Limit has been raised to account for matrix interference.

Chloride
Nitrate as N
Sulfate as SO4

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Nitrite as N

SB64640-02RE1 *MW-AM16-021413-1*

The Reporting Limit has been raised to account for matrix interference.

Nitrite as N

SB64640-03 *MW-AV17-021413-1*

The Reporting Limit has been raised to account for matrix interference.

Chloride
Nitrate as N
Nitrite as N
Sulfate as SO4

SB64640-05 *MW-AG30-21513-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chloride
Nitrate as N
Sulfate as SO4

The Reporting Limit has been raised to account for matrix interference.

Nitrite as N

SW846 6010C

Spikes:

1304057-MSD1 *Source: SB64640-01*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Calcium

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Magnesium
Sodium

1304057-PS1 *Source: SB64640-01*

The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Magnesium
Sodium

Duplicates:

1304057-DUP1 *Source: SB64640-02*

SW846 6010C

Duplicates:

1304057-DUP1 *Source: SB64640-02*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Lead

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Manganese

The Reporting Limit has been raised to account for matrix interference.

Antimony
Selenium
Sodium

Samples:

SB64640-01 *MW-AP11-021413-1*

The Reporting Limit has been raised to account for matrix interference.

Sodium

SB64640-02 *MW-AM16-021413-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Manganese

The Reporting Limit has been raised to account for matrix interference.

Antimony
Selenium
Sodium

SB64640-03 *MW-AV17-021413-1*

The Reporting Limit has been raised to account for matrix interference.

Selenium
Sodium

SB64640-04 *MW-AA12-021513-1*

The Reporting Limit has been raised to account for matrix interference.

Sodium

SB64640-05 *MW-AG30-21513-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sodium

SW846 8260C

Calibration:

1301022

SW846 8260C

Calibration:

1301022

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
Dibromochloromethane
Naphthalene
n-Butylbenzene
sec-Butylbenzene
trans-1,3-Dichloropropene
Vinyl chloride

This affected the following samples:

1303908-BLK1
1303908-BS1
1303908-BSD1
1303908-MS1
1303908-MSD1
MW-AA12-021513-1
MW-AG30-21513-1
MW-AM16-021413-1
MW-AP11-021413-1
MW-AV17-021413-1
S300314-ICV1
S301842-CCV1
Trip Blank

1302040

Analyte quantified by quadratic equation type calibration.

1,1,1,2-Tetrachloroethane
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane (EDB)
Bromoform
cis-1,3-Dichloropropene
Dibromochloromethane
Dichlorodifluoromethane (Freon12)
Hexachlorobutadiene
Naphthalene
n-Butylbenzene
trans-1,3-Dichloropropene
trans-1,4-Dichloro-2-butene
Vinyl chloride

This affected the following samples:

1304019-BLK1
1304019-BS1
1304019-BSD1
MW-AA12-021513-1
S301787-ICV1
S301855-CCV1

S301787-ICV1

SW846 8260C

Calibration:

S301787-ICV1

Analyte percent recovery is outside individual acceptance criteria.

1,3-Dichlorobenzene (124%)
2-Chlorotoluene (122%)
Acetone (129%)
o-Xylene (122%)

This affected the following samples:

1304019-BLK1
1304019-BS1
1304019-BSD1
MW-AA12-021513-1
S301855-CCV1

Laboratory Control Samples:

1303908 BS/BSD

1,1,2-Trichlorotrifluoroethane (Freon 113) percent recoveries (131/122) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-AA12-021513-1
MW-AG30-21513-1
MW-AM16-021413-1
MW-AP11-021413-1
MW-AV17-021413-1
Trip Blank

1,2-Dibromo-3-chloropropane percent recoveries (134/125) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-AA12-021513-1
MW-AG30-21513-1
MW-AM16-021413-1
MW-AP11-021413-1
MW-AV17-021413-1
Trip Blank

Bromoform percent recoveries (133/128) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-AA12-021513-1
MW-AG30-21513-1
MW-AM16-021413-1
MW-AP11-021413-1
MW-AV17-021413-1
Trip Blank

Carbon tetrachloride percent recoveries (161/143) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-AA12-021513-1
MW-AG30-21513-1
MW-AM16-021413-1
MW-AP11-021413-1
MW-AV17-021413-1
Trip Blank

SW846 8260C

Laboratory Control Samples:

1303908 BS/BSD

Dibromochloromethane percent recoveries (134/130) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-AA12-021513-1
MW-AG30-21513-1
MW-AM16-021413-1
MW-AP11-021413-1
MW-AV17-021413-1
Trip Blank

Vinyl chloride percent recoveries (145/122) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

MW-AA12-021513-1
MW-AG30-21513-1
MW-AM16-021413-1
MW-AP11-021413-1
MW-AV17-021413-1
Trip Blank

1304019 BS/BSD

Dichlorodifluoromethane (Freon12) percent recoveries (74/69) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-AA12-021513-1

1304019-BSD1

LCS/LCSD were analyzed in place of MS/MSD.

Spikes:

1303908-MS1 *Source: SB64640-04*

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Carbon tetrachloride

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1,2-Trichlorotrifluoroethane (Freon 113)
Bromoform
Chloroethane
Dibromochloromethane
Dichlorodifluoromethane (Freon12)
Ethanol
Trichlorofluoromethane (Freon 11)
Vinyl chloride

1303908-MSD1 *Source: SB64640-04*

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Carbon tetrachloride

RPD out of acceptance range.

Vinyl chloride

SW846 8260C

Spikes:

1303908-MSD1 *Source: SB64640-04*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1,2-Trichlorotrifluoroethane (Freon 113)
Dichlorodifluoromethane (Freon12)

Samples:

S301842-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1,2-Tetrachloroethane (20.1%)
1,1,2-Trichlorotrifluoroethane (Freon 113) (21.8%)
Bromodichloromethane (22.5%)
Carbon tetrachloride (42.6%)
Hexachlorobutadiene (-27.1%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,4-Trichlorobenzene (-21.3%)
1,2-Dibromo-3-chloropropane (25.0%)
Bromoform (27.6%)
Dibromochloromethane (29.8%)
Ethanol (20.8%)
Methylene chloride (20.2%)
n-Butylbenzene (-22.4%)
Vinyl chloride (22.5%)

This affected the following samples:

1303908-BLK1
1303908-BS1
1303908-BSD1
1303908-MS1
1303908-MSD1
MW-AA12-021513-1
MW-AG30-21513-1
MW-AM16-021413-1
MW-AP11-021413-1
MW-AV17-021413-1
Trip Blank

S301855-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (-29.5%)
1,1-Dichloroethene (-24.5%)
1,4-Dioxane (-24.5%)
2-Butanone (MEK) (-24.0%)
Tert-amyl methyl ether (-22.1%)
Tetrachloroethene (-20.2%)
Trichlorofluoromethane (Freon 11) (-25.5%)

SW846 8260C

Samples:

S301855-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,3-Trichlorobenzene (-23.4%)
1,2,4-Trichlorobenzene (-23.3%)
Dichlorodifluoromethane (Freon12) (-26.6%)
Hexachlorobutadiene (-38.4%)
Vinyl chloride (-22.0%)

This affected the following samples:

1304019-BLK1
1304019-BS1
1304019-BSD1
MW-AA12-021513-1

SB64640-04 *MW-AA12-021513-1*

Sample data reported for QC purposes only.

SW846 8270D SIM

Calibration:

1301043

Analyte quantified by quadratic equation type calibration.

Benzo (a) pyrene
Benzo (g,h,i) perylene
Dibenzo (a,h) anthracene
Indeno (1,2,3-cd) pyrene

This affected the following samples:

1304097-BLK2
1304097-BS2
MW-AA12-021513-1
MW-AG30-21513-1
MW-AM16-021413-1
MW-AP11-021413-1
MW-AV17-021413-1
S300782-ICV1
S301978-CCV1
S302027-CCV1

Samples:

S302027-CCV1

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Dibenzo (a,h) anthracene (22.6%)
Indeno (1,2,3-cd) pyrene (23.9%)

This affected the following samples:

MW-AM16-021413-1
MW-AP11-021413-1

SB64640-04 *MW-AA12-021513-1*

Elevated Reporting Limits due to limited sample volume.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AP11-021413-1	60225155	Ground Water	14-Feb-13 15:45	15-Feb-13
SB64640-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AP11-021413-1	60225155	Ground Water	14-Feb-13 15:45	15-Feb-13
SB64640-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AP11-021413-1 SB64640-01	60225155	Ground Water	14-Feb-13 15:45	15-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	21-Feb-13	25-Feb-13	ML/	1304097	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*60*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	19-Feb-13	22-Feb-13	SEP	1303919	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*78*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			CPA	1303939	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	21-Feb-13	22-Feb-13	edt	1304057	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0703**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AP11-021413-1	60225155	Ground Water	14-Feb-13 15:45	15-Feb-13
SB64640-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	21-Feb-13	22-Feb-13	edt	1304057	X
7440-70-2	Calcium	**20.9**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**0.443**		mg/l	0.0150	0.0100	1	"	"	"	"	"	X
7440-09-7	Potassium	**3.75**		mg/l	0.500	0.219	1	"	"	"	"	"	X
7439-95-4	Magnesium	**5.65**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**1.10**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**60.1**	R01	mg/l	5.00	0.0718	1	"	"	"	"	"	X
7440-02-0	Nickel	**0.0128**		mg/l	0.0050	0.0005	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0342**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	21-Feb-13	22-Feb-13	JLM	1304058	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	15-Feb-13 17:07	15-Feb-13 17:07	CAA	1303873	
	Bicarbonate Alkalinity	**90.9**		mg/l CaCO3	2.00	1.09	1	SM2320B	20-Feb-13	21-Feb-13	BD	1304000	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	20-Feb-13	21-Feb-13	"	1303999	
16887-00-6	Chloride	**8.95**	R01, D	mg/l	5.00	2.24	5	EPA 300.0	15-Feb-13	15-Feb-13	KK	1303840	X
14797-55-8	Nitrate as N	**1.15**	R01, D	mg/l	0.500	0.181	5	"	15-Feb-13 11:30	15-Feb-13 21:42	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	15-Feb-13 11:30	15-Feb-13 21:42	"	"	X
14808-79-8	Sulfate as SO4	**135**	GS1, D	mg/l	5.00	3.10	5	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 17:19	TDD/C	1303874	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AM16-021413-1	60225155	Ground Water	14-Feb-13 15:00	15-Feb-13
SB64640-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AM16-021413-1	60225155	Ground Water	14-Feb-13 15:00	15-Feb-13
SB64640-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AM16-021413-1	60225155	Ground Water	14-Feb-13 15:00	15-Feb-13
SB64640-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	21-Feb-13	25-Feb-13	ML/	1304097	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*57*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*63*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	19-Feb-13	22-Feb-13	SEP	1303919	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*105*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			CPA	1303939	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	21-Feb-13	22-Feb-13	edt	1304057	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.260**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AM16-021413-1 SB64640-02	60225155	Ground Water	14-Feb-13 15:00	15-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	21-Feb-13	22-Feb-13	edt	1304057	X
7440-70-2	Calcium	**119**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**51.6**		mg/l	0.0150	0.0100	1	"	"	25-Feb-13	"	"	X
7440-09-7	Potassium	**6.36**		mg/l	0.500	0.219	1	"	"	22-Feb-13	"	"	X
7439-95-4	Magnesium	**33.0**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**8.16**	GS1, D	mg/l	0.0100	0.0078	5	"	"	25-Feb-13	"	"	X
7440-23-5	Sodium	**19.2**	R01	mg/l	5.00	0.0718	1	"	"	25-Feb-13	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	22-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0300	R01, D	mg/l	0.0300	0.0165	5	"	"	25-Feb-13	"	"	X
7782-49-2	Selenium	< 0.0750	R01, D	mg/l	0.0750	0.0110	5	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	22-Feb-13	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0050		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	21-Feb-13	22-Feb-13	JLM	1304058	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	15-Feb-13 17:07	15-Feb-13 17:07	CAA	1303873	
	Bicarbonate Alkalinity	**463**		mg/l CaCO3	2.00	1.09	1	SM2320B	20-Feb-13	21-Feb-13	BD	1304000	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	20-Feb-13	21-Feb-13	"	1303999	
16887-00-6	Chloride	**36.8**	R01, D	mg/l	2.00	0.895	2	EPA 300.0	15-Feb-13	15-Feb-13	KK	1303840	X
14797-55-8	Nitrate as N	< 0.200	R01, D	mg/l	0.200	0.0726	2	"	15-Feb-13 11:30	15-Feb-13 21:59	"	"	X
Nitrite as N by IC Prepared by method General Preparation													
14797-65-0	Nitrite as N	**7.48**	E, QC5, D	mg/l	0.200	0.113	2	"	15-Feb-13 11:30	15-Feb-13 21:59	"	"	X
Re-analysis of Nitrite as N by IC Prepared by method General Preparation													
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	EPA 300.0	15-Feb-13 11:30	15-Feb-13 22:51	KK	1303840	X
14808-79-8	Sulfate as SO4	**4.82**	R01, D	mg/l	2.00	1.24	2	EPA 300.0	15-Feb-13	15-Feb-13	KK	1303840	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 17:20	TDD/C	1303874	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AV17-021413-1	60225155	Ground Water	14-Feb-13 16:20	15-Feb-13
SB64640-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AV17-021413-1	60225155	Ground Water	14-Feb-13 16:20	15-Feb-13
SB64640-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*108*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AV17-021413-1 SB64640-03	60225155	Ground Water	14-Feb-13 16:20	15-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	21-Feb-13	22-Feb-13	ML/	1304097	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*61*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	19-Feb-13	22-Feb-13	SEP	1303919	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*123*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			CPA	1303939	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	21-Feb-13	22-Feb-13	edt	1304057	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.184**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AV17-021413-1	60225155	Ground Water	14-Feb-13 16:20	15-Feb-13
SB64640-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	21-Feb-13	22-Feb-13	edt	1304057	X
7440-70-2	Calcium	**91.5**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**23.4**		mg/l	0.0150	0.0100	1	"	"	25-Feb-13	"	"	X
7440-09-7	Potassium	**10.9**		mg/l	0.500	0.219	1	"	"	22-Feb-13	"	"	X
7439-95-4	Magnesium	**12.3**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.377**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**54.8**	R01	mg/l	5.00	0.0718	1	"	"	25-Feb-13	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	22-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0300	R01, D	mg/l	0.0300	0.0044	2	"	"	25-Feb-13	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	22-Feb-13	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0148**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	21-Feb-13	22-Feb-13	JLM	1304058	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	15-Feb-13 17:07	15-Feb-13 17:07	CAA	1303873	
	Bicarbonate Alkalinity	**413**		mg/l CaCO3	2.00	1.09	1	SM2320B	20-Feb-13	21-Feb-13	BD	1304000	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	20-Feb-13	21-Feb-13	"	1303999	
16887-00-6	Chloride	**9.40**	R01, D	mg/l	5.00	2.24	5	EPA 300.0	15-Feb-13	15-Feb-13	KK	1303840	X
14797-55-8	Nitrate as N	< 0.500	R01, D	mg/l	0.500	0.181	5	"	15-Feb-13 11:30	15-Feb-13 23:09	"	"	X
14797-65-0	Nitrite as N	< 0.500	R01, D	mg/l	0.500	0.283	5	"	15-Feb-13 11:30	15-Feb-13 23:09	"	"	X
14808-79-8	Sulfate as SO4	**8.45**	R01, D	mg/l	5.00	3.10	5	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 17:20	TDD/C	1303874	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AA12-021513-1	60225155	Ground Water	15-Feb-13 08:00	15-Feb-13
SB64640-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds			QCR										
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0	D	µg/l	50.0	32.4	50	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
67-64-1	Acetone	< 500	D	µg/l	500	128	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 25.0	D	µg/l	25.0	23.0	50	"	"	"	"	"	X
71-43-2	Benzene	< 50.0	D	µg/l	50.0	33.4	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 50.0	D	µg/l	50.0	36.0	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 50.0	D	µg/l	50.0	35.5	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 25.0	D	µg/l	25.0	24.0	50	"	"	"	"	"	X
75-25-2	Bromoform	< 50.0	D	µg/l	50.0	30.2	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 100	D	µg/l	100	57.0	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 500	D	µg/l	500	86.7	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 50.0	D	µg/l	50.0	28.1	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 50.0	D	µg/l	50.0	41.0	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 50.0	D	µg/l	50.0	37.2	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 100	D	µg/l	100	31.4	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 50.0	D	µg/l	50.0	27.4	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 50.0	D	µg/l	50.0	32.7	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 100	D	µg/l	100	51.6	50	"	"	"	"	"	X
67-66-3	Chloroform	< 50.0	D	µg/l	50.0	34.4	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 100	D	µg/l	100	73.6	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 50.0	D	µg/l	50.0	39.6	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 50.0	D	µg/l	50.0	36.6	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 100	D	µg/l	100	46.4	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 25.0	D	µg/l	25.0	14.4	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 25.0	D	µg/l	25.0	16.4	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 50.0	D	µg/l	50.0	33.3	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 50.0	D	µg/l	50.0	33.4	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 50.0	D	µg/l	50.0	35.6	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 50.0	D	µg/l	50.0	31.2	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 100	D	µg/l	100	22.4	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 50.0	D	µg/l	50.0	34.0	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 50.0	D	µg/l	50.0	39.0	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 50.0	D	µg/l	50.0	24.4	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 50.0	D	µg/l	50.0	35.8	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 50.0	D	µg/l	50.0	34.0	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 50.0	D	µg/l	50.0	35.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 50.0	D	µg/l	50.0	40.4	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 50.0	D	µg/l	50.0	30.2	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 50.0	D	µg/l	50.0	31.8	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 25.0	D	µg/l	25.0	12.6	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 25.0	D	µg/l	25.0	25.0	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 50.0	D	µg/l	50.0	36.6	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 25.0	D	µg/l	25.0	22.5	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 500	D	µg/l	500	27.2	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AA12-021513-1	60225155	Ground Water	15-Feb-13 08:00	15-Feb-13
SB64640-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds			QCR										
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 50.0	D	µg/l	50.0	31.0	50	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
99-87-6	4-Isopropyltoluene	< 50.0	D	µg/l	50.0	30.4	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 50.0	D	µg/l	50.0	32.6	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 500	D	µg/l	500	46.6	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 100	D	µg/l	100	34.5	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 50.0	D	µg/l	50.0	16.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 50.0	D	µg/l	50.0	37.9	50	"	"	"	"	"	X
100-42-5	Styrene	< 50.0	D	µg/l	50.0	30.8	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 50.0	D	µg/l	50.0	31.3	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 25.0	D	µg/l	25.0	17.4	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 50.0	D	µg/l	50.0	37.2	50	"	"	"	"	"	X
108-88-3	Toluene	< 50.0	D	µg/l	50.0	40.6	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 50.0	D	µg/l	50.0	18.8	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 50.0	D	µg/l	50.0	18.0	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 50.0	D	µg/l	50.0	39.2	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 50.0	D	µg/l	50.0	29.1	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 50.0	D	µg/l	50.0	32.1	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 50.0	D	µg/l	50.0	37.8	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 50.0	D	µg/l	50.0	31.4	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 50.0	D	µg/l	50.0	36.8	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 50.0	D	µg/l	50.0	37.8	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 50.0	D	µg/l	50.0	37.2	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 50.0	D	µg/l	50.0	40.4	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 100	D	µg/l	100	82.0	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 50.0	D	µg/l	50.0	44.1	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 100	D	µg/l	100	72.1	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 50.0	D	µg/l	50.0	34.6	50	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 50.0	D	µg/l	50.0	36.0	50	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 50.0	D	µg/l	50.0	39.1	50	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 50.0	D	µg/l	50.0	36.4	50	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 500	D	µg/l	500	432	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 1000	D	µg/l	1000	701	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 250	D	µg/l	250	38.4	50	"	"	"	"	"	X
64-17-5	Ethanol	< 20000	D	µg/l	20000	1780	50	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"	
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AA12-021513-1	60225155	Ground Water	15-Feb-13 08:00	15-Feb-13
SB64640-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	20-Feb-13	20-Feb-13	NAA	1304019	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AA12-021513-1	60225155	Ground Water	15-Feb-13 08:00	15-Feb-13
SB64640-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	20-Feb-13	20-Feb-13	NAA	1304019	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*88*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM			R02										
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AA12-021513-1	60225155	Ground Water	15-Feb-13 08:00	15-Feb-13
SB64640-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM			R02										
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	**1.36**		µg/l	0.161	0.023	1	SW846 8270D SIM	21-Feb-13	22-Feb-13	ML/	1304097	X
208-96-8	Acenaphthylene	< 0.161		µg/l	0.161	0.041	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	**0.203**		µg/l	0.161	0.033	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.161		µg/l	0.161	0.043	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.161		µg/l	0.161	0.118	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.161		µg/l	0.161	0.116	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.161		µg/l	0.161	0.099	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.161		µg/l	0.161	0.082	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.161		µg/l	0.161	0.082	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.161		µg/l	0.161	0.072	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.161		µg/l	0.161	0.095	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**0.313**		µg/l	0.161	0.054	1	"	"	"	"	"	X
86-73-7	Fluorene	**0.352**		µg/l	0.161	0.040	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.161		µg/l	0.161	0.092	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.161		µg/l	0.161	0.025	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.161		µg/l	0.161	0.052	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**0.410**		µg/l	0.161	0.062	1	"	"	"	"	"	X
129-00-0	Pyrene	**0.206**		µg/l	0.161	0.056	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*64*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*			*30-130 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			CPA	1303939	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	21-Feb-13	22-Feb-13	edt	1304057	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0627**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	"	"	"	"	"	X
7440-70-2	Calcium	**25.4**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**0.0968**		mg/l	0.0150	0.0100	1	"	"	25-Feb-13	"	"	X
7440-09-7	Potassium	**3.17**		mg/l	0.500	0.219	1	"	"	22-Feb-13	"	"	X
7439-95-4	Magnesium	**1.46**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.0342**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**6.63**	R01	mg/l	5.00	0.0718	1	"	"	25-Feb-13	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	22-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.119**		mg/l	0.0050	0.0022	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AA12-021513-1 SB64640-04	60225155	Ground Water	15-Feb-13 08:00	15-Feb-13

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	21-Feb-13	22-Feb-13	JLM	1304058	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	15-Feb-13 17:07	15-Feb-13 17:07	CAA	1303873	
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	"	15-Feb-13	15-Feb-13 17:23	"	1303874	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AG30-21513-1	60225155	Ground Water	15-Feb-13 09:30	15-Feb-13
SB64640-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AG30-21513-1	60225155	Ground Water	15-Feb-13 09:30	15-Feb-13
SB64640-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AG30-21513-1	60225155	Ground Water	15-Feb-13 09:30	15-Feb-13
SB64640-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
SVOCs by SIM													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 0.050		µg/l	0.050	0.007	1	SW846 8270D SIM	21-Feb-13	22-Feb-13	ML/	1304097	X
208-96-8	Acenaphthylene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 0.050		µg/l	0.050	0.010	1	"	"	"	"	"	
120-12-7	Anthracene	< 0.050		µg/l	0.050	0.013	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 0.050		µg/l	0.050	0.036	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 0.050		µg/l	0.050	0.031	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 0.050		µg/l	0.050	0.026	1	"	"	"	"	"	X
218-01-9	Chrysene	< 0.050		µg/l	0.050	0.022	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050	0.030	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
86-73-7	Fluorene	< 0.050		µg/l	0.050	0.012	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050	0.029	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 0.050		µg/l	0.050	0.008	1	"	"	"	"	"	
91-20-3	Naphthalene	< 0.050		µg/l	0.050	0.016	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 0.050		µg/l	0.050	0.019	1	"	"	"	"	"	X
129-00-0	Pyrene	< 0.050		µg/l	0.050	0.017	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Extractable Total Petroleum Hydrocarbons													
Prepared by method SW846 3510C													
8006-61-9	Gasoline	< 0.2		mg/l	0.2	0.01	1	CT ETPH	19-Feb-13	22-Feb-13	SEP	1303919	
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	C9-C36 Aliphatic Hydrocarbons	< 0.2		mg/l	0.2	0.06	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*63*			*50-150 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			CPA	1303939	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0050		mg/l	0.0050	0.0014	1	SW846 6010C	21-Feb-13	22-Feb-13	edt	1304057	X
7440-38-2	Arsenic	< 0.0040		mg/l	0.0040	0.0024	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0796**		mg/l	0.0050	0.0010	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-AG30-21513-1	60225155	Ground Water	15-Feb-13 09:30	15-Feb-13
SB64640-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-41-7	Beryllium	< 0.0020		mg/l	0.0020	0.0004	1	SW846 6010C	21-Feb-13	22-Feb-13	edt	1304057	X
7440-70-2	Calcium	**35.0**		mg/l	0.100	0.0303	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0025		mg/l	0.0025	0.0002	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0050		mg/l	0.0050	0.0026	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0050		mg/l	0.0050	0.0014	1	"	"	"	"	"	X
7439-89-6	Iron	**0.0278**		mg/l	0.0150	0.0100	1	"	"	25-Feb-13	"	"	X
7440-09-7	Potassium	**9.74**		mg/l	0.500	0.219	1	"	"	22-Feb-13	"	"	X
7439-95-4	Magnesium	**7.50**		mg/l	0.0100	0.0019	1	"	"	"	"	"	X
7439-96-5	Manganese	**0.588**		mg/l	0.0020	0.0016	1	"	"	"	"	"	X
7440-23-5	Sodium	**887**	GS1, D	mg/l	25.0	0.359	5	"	"	25-Feb-13	"	"	X
7440-02-0	Nickel	< 0.0050		mg/l	0.0050	0.0005	1	"	"	22-Feb-13	"	"	X
7439-92-1	Lead	< 0.0075		mg/l	0.0075	0.0016	1	"	"	"	"	"	X
7440-36-0	Antimony	< 0.0060		mg/l	0.0060	0.0033	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0150		mg/l	0.0150	0.0022	1	"	"	"	"	"	X
7440-28-0	Thallium	< 0.0050		mg/l	0.0050	0.0030	1	"	"	"	"	"	X
7440-62-2	Vanadium	< 0.0050		mg/l	0.0050	0.0016	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0050		mg/l	0.0050	0.0022	1	"	"	"	"	"	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00020		mg/l	0.00020	0.00008	1	EPA 245.1/7470A	21-Feb-13	22-Feb-13	JLM	1304058	X
General Chemistry Parameters													
	Preservation	**Field Preserved**		N/A			1	SM4500-S D	15-Feb-13 17:07	15-Feb-13 17:07	CAA	1303873	
	Bicarbonate Alkalinity	**854**		mg/l CaCO3	2.00	1.09	1	SM2320B	20-Feb-13	21-Feb-13	BD	1304000	
	Carbonate Alkalinity	< 2.00		mg/l CaCO3	2.00	1.09	1	"	20-Feb-13	21-Feb-13	"	1303999	
16887-00-6	Chloride	**889**	GS1, D	mg/l	100	44.8	100	EPA 300.0	15-Feb-13	15-Feb-13	KK	1303840	X
14797-55-8	Nitrate as N	**10.0**	GS1, D	mg/l	10.0	3.63	100	"	15-Feb-13 11:30	15-Feb-13 23:43	"	"	X
14797-65-0	Nitrite as N	< 10.0	R01, D	mg/l	10.0	5.66	100	"	15-Feb-13 11:30	15-Feb-13 23:43	"	"	X
14808-79-8	Sulfate as SO4	**120**	GS1, D	mg/l	100	62.0	100	"	"	"	"	"	X
18496-25-8	Sulfide	< 0.100		mg/l	0.100	0.0660	1	SM4500-S D	15-Feb-13	15-Feb-13 17:23	TDD/C	1303874	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank	60225155	Aqueous	15-Feb-13 00:00	15-Feb-13
SB64640-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SB64640-06	60225155	Aqueous	15-Feb-13 00:00	15-Feb-13

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	19-Feb-13	19-Feb-13	JEG	1303908	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*107*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*118*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
Blank (1303908-BLK1)					Prepared & Analyzed: 19-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
Blank (1303908-BLK1)					Prepared & Analyzed: 19-Feb-13					
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*53.0*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.8*		µg/l		*50.0*		*120*	*70-130*		
Surrogate: Dibromofluoromethane	*56.6*		µg/l		*50.0*		*113*	*70-130*		
LCS (1303908-BS1)					Prepared & Analyzed: 19-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**26.2**	QM9	µg/l		20.0		131	70-130		
Acetone	**22.3**		µg/l		20.0		111	70-130		
Acrylonitrile	**22.4**		µg/l		20.0		112	70-130		
Benzene	**20.0**		µg/l		20.0		100	70-130		
Bromobenzene	**19.0**		µg/l		20.0		95	70-130		
Bromochloromethane	**20.4**		µg/l		20.0		102	70-130		
Bromodichloromethane	**25.0**		µg/l		20.0		125	70-130		
Bromoform	**26.6**	QM9	µg/l		20.0		133	70-130		
Bromomethane	**21.3**		µg/l		20.0		106	70-130		
2-Butanone (MEK)	**18.3**		µg/l		20.0		92	70-130		
n-Butylbenzene	**16.0**		µg/l		20.0		80	70-130		
sec-Butylbenzene	**18.1**		µg/l		20.0		90	70-130		
tert-Butylbenzene	**18.8**		µg/l		20.0		94	70-130		
Carbon disulfide	**22.9**		µg/l		20.0		114	70-130		
Carbon tetrachloride	**32.2**	QC2	µg/l		20.0		161	70-130		
Chlorobenzene	**17.6**		µg/l		20.0		88	70-130		
Chloroethane	**23.5**		µg/l		20.0		118	70-130		
Chloroform	**23.1**		µg/l		20.0		115	70-130		
Chloromethane	**22.2**		µg/l		20.0		111	70-130		
2-Chlorotoluene	**18.7**		µg/l		20.0		94	70-130		
4-Chlorotoluene	**19.4**		µg/l		20.0		97	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
LCS (1303908-BS1)					Prepared & Analyzed: 19-Feb-13					
1,2-Dibromo-3-chloropropane	**26.9**	QM9	µg/l		20.0		134	70-130		
Dibromochloromethane	**26.8**	QM9	µg/l		20.0		134	70-130		
1,2-Dibromoethane (EDB)	**21.5**		µg/l		20.0		108	70-130		
Dibromomethane	**21.4**		µg/l		20.0		107	70-130		
1,2-Dichlorobenzene	**17.8**		µg/l		20.0		89	70-130		
1,3-Dichlorobenzene	**19.5**		µg/l		20.0		97	70-130		
1,4-Dichlorobenzene	**16.9**		µg/l		20.0		84	70-130		
Dichlorodifluoromethane (Freon12)	**23.9**		µg/l		20.0		119	70-130		
1,1-Dichloroethane	**21.7**		µg/l		20.0		108	70-130		
1,2-Dichloroethane	**22.3**		µg/l		20.0		111	70-130		
1,1-Dichloroethene	**22.4**		µg/l		20.0		112	70-130		
cis-1,2-Dichloroethene	**19.3**		µg/l		20.0		97	70-130		
trans-1,2-Dichloroethene	**23.1**		µg/l		20.0		115	70-130		
1,2-Dichloropropane	**20.0**		µg/l		20.0		100	70-130		
1,3-Dichloropropane	**21.1**		µg/l		20.0		105	70-130		
2,2-Dichloropropane	**23.3**		µg/l		20.0		117	70-130		
1,1-Dichloropropene	**21.3**		µg/l		20.0		106	70-130		
cis-1,3-Dichloropropene	**23.0**		µg/l		20.0		115	70-130		
trans-1,3-Dichloropropene	**23.3**		µg/l		20.0		116	70-130		
Ethylbenzene	**18.8**		µg/l		20.0		94	70-130		
Hexachlorobutadiene	**15.6**		µg/l		20.0		78	70-130		
2-Hexanone (MBK)	**21.9**		µg/l		20.0		110	70-130		
Isopropylbenzene	**19.3**		µg/l		20.0		96	70-130		
4-Isopropyltoluene	**18.7**		µg/l		20.0		94	70-130		
Methyl tert-butyl ether	**24.4**		µg/l		20.0		122	70-130		
4-Methyl-2-pentanone (MIBK)	**21.9**		µg/l		20.0		110	70-130		
Methylene chloride	**24.3**		µg/l		20.0		122	70-130		
Naphthalene	**16.7**		µg/l		20.0		84	70-130		
n-Propylbenzene	**17.2**		µg/l		20.0		86	70-130		
Styrene	**18.8**		µg/l		20.0		94	70-130		
1,1,1,2-Tetrachloroethane	**25.5**		µg/l		20.0		128	70-130		
1,1,2,2-Tetrachloroethane	**20.0**		µg/l		20.0		100	70-130		
Tetrachloroethene	**21.2**		µg/l		20.0		106	70-130		
Toluene	**19.8**		µg/l		20.0		99	70-130		
1,2,3-Trichlorobenzene	**16.5**		µg/l		20.0		83	70-130		
1,2,4-Trichlorobenzene	**16.2**		µg/l		20.0		81	70-130		
1,3,5-Trichlorobenzene	**17.2**		µg/l		20.0		86	70-130		
1,1,1-Trichloroethane	**25.1**		µg/l		20.0		125	70-130		
1,1,2-Trichloroethane	**20.2**		µg/l		20.0		101	70-130		
Trichloroethene	**19.7**		µg/l		20.0		99	70-130		
Trichlorofluoromethane (Freon 11)	**25.9**		µg/l		20.0		129	70-130		
1,2,3-Trichloropropane	**20.1**		µg/l		20.0		100	70-130		
1,2,4-Trimethylbenzene	**20.6**		µg/l		20.0		103	70-130		
1,3,5-Trimethylbenzene	**20.0**		µg/l		20.0		100	70-130		
Vinyl chloride	**28.9**	QM9	µg/l		20.0		145	70-130		
m,p-Xylene	**36.2**		µg/l		40.0		90	70-130		
o-Xylene	**18.6**		µg/l		20.0		93	70-130		
Tetrahydrofuran	**19.6**		µg/l		20.0		98	70-130		
Ethyl ether	**22.9**		µg/l		20.0		114	70-130		
Tert-amyl methyl ether	**23.3**		µg/l		20.0		116	70-130		
Ethyl tert-butyl ether	**22.4**		µg/l		20.0		112	70-130		
Di-isopropyl ether	**20.6**		µg/l		20.0		103	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
LCS (1303908-BS1)						Prepared & Analyzed: 19-Feb-13				
Tert-Butanol / butyl alcohol	**223**		µg/l		200		111	70-130		
1,4-Dioxane	**234**		µg/l		200		117	70-130		
trans-1,4-Dichloro-2-butene	**21.6**		µg/l		20.0		108	70-130		
Ethanol	**457**		µg/l		400		114	70-130		
Surrogate: 4-Bromofluorobenzene	*52.9*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*53.5*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.0*		µg/l		*50.0*		*116*	*70-130*		
Surrogate: Dibromofluoromethane	*56.7*		µg/l		*50.0*		*113*	*70-130*		
LCS Dup (1303908-BSD1)						Prepared & Analyzed: 19-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**24.4**		µg/l		20.0		122	70-130	7	20
Acetone	**22.6**		µg/l		20.0		113	70-130	1	20
Acrylonitrile	**23.6**		µg/l		20.0		118	70-130	5	20
Benzene	**18.5**		µg/l		20.0		92	70-130	8	20
Bromobenzene	**18.2**		µg/l		20.0		91	70-130	4	20
Bromochloromethane	**20.3**		µg/l		20.0		102	70-130	0.5	20
Bromodichloromethane	**24.5**		µg/l		20.0		123	70-130	2	20
Bromoform	**25.5**		µg/l		20.0		128	70-130	4	20
Bromomethane	**20.7**		µg/l		20.0		103	70-130	3	20
2-Butanone (MEK)	**21.6**		µg/l		20.0		108	70-130	16	20
n-Butylbenzene	**15.5**		µg/l		20.0		78	70-130	3	20
sec-Butylbenzene	**17.4**		µg/l		20.0		87	70-130	4	20
tert-Butylbenzene	**17.7**		µg/l		20.0		88	70-130	6	20
Carbon disulfide	**21.1**		µg/l		20.0		105	70-130	8	20
Carbon tetrachloride	**28.5**	QC2	µg/l		20.0		143	70-130	12	20
Chlorobenzene	**16.9**		µg/l		20.0		85	70-130	4	20
Chloroethane	**21.6**		µg/l		20.0		108	70-130	9	20
Chloroform	**22.1**		µg/l		20.0		110	70-130	4	20
Chloromethane	**20.0**		µg/l		20.0		100	70-130	10	20
2-Chlorotoluene	**18.8**		µg/l		20.0		94	70-130	0.6	20
4-Chlorotoluene	**18.4**		µg/l		20.0		92	70-130	5	20
1,2-Dibromo-3-chloropropane	**25.0**		µg/l		20.0		125	70-130	7	20
Dibromochloromethane	**26.0**		µg/l		20.0		130	70-130	3	20
1,2-Dibromoethane (EDB)	**21.9**		µg/l		20.0		110	70-130	2	20
Dibromomethane	**21.2**		µg/l		20.0		106	70-130	0.9	20
1,2-Dichlorobenzene	**17.4**		µg/l		20.0		87	70-130	2	20
1,3-Dichlorobenzene	**18.6**		µg/l		20.0		93	70-130	4	20
1,4-Dichlorobenzene	**16.8**		µg/l		20.0		84	70-130	0.6	20
Dichlorodifluoromethane (Freon12)	**22.5**		µg/l		20.0		112	70-130	6	20
1,1-Dichloroethane	**20.2**		µg/l		20.0		101	70-130	7	20
1,2-Dichloroethane	**21.7**		µg/l		20.0		108	70-130	3	20
1,1-Dichloroethene	**21.6**		µg/l		20.0		108	70-130	4	20
cis-1,2-Dichloroethene	**18.7**		µg/l		20.0		94	70-130	3	20
trans-1,2-Dichloroethene	**22.2**		µg/l		20.0		111	70-130	4	20
1,2-Dichloropropane	**19.2**		µg/l		20.0		96	70-130	4	20
1,3-Dichloropropane	**20.0**		µg/l		20.0		100	70-130	5	20
2,2-Dichloropropane	**21.6**		µg/l		20.0		108	70-130	8	20
1,1-Dichloropropene	**20.6**		µg/l		20.0		103	70-130	3	20
cis-1,3-Dichloropropene	**22.1**		µg/l		20.0		110	70-130	4	20
trans-1,3-Dichloropropene	**23.1**		µg/l		20.0		116	70-130	0.7	20
Ethylbenzene	**17.9**		µg/l		20.0		90	70-130	5	20
Hexachlorobutadiene	**14.6**		µg/l		20.0		73	70-130	7	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
LCS Dup (1303908-BSD1)					Prepared & Analyzed: 19-Feb-13					
2-Hexanone (MBK)	**21.8**		µg/l		20.0		109	70-130	0.4	20
Isopropylbenzene	**18.1**		µg/l		20.0		90	70-130	7	20
4-Isopropyltoluene	**17.4**		µg/l		20.0		87	70-130	7	20
Methyl tert-butyl ether	**23.2**		µg/l		20.0		116	70-130	5	20
4-Methyl-2-pentanone (MIBK)	**21.7**		µg/l		20.0		108	70-130	1	20
Methylene chloride	**24.0**		µg/l		20.0		120	70-130	1	20
Naphthalene	**17.4**		µg/l		20.0		87	70-130	4	20
n-Propylbenzene	**16.6**		µg/l		20.0		83	70-130	4	20
Styrene	**17.9**		µg/l		20.0		89	70-130	5	20
1,1,1,2-Tetrachloroethane	**24.0**		µg/l		20.0		120	70-130	6	20
1,1,2,2-Tetrachloroethane	**19.7**		µg/l		20.0		98	70-130	2	20
Tetrachloroethene	**19.2**		µg/l		20.0		96	70-130	10	20
Toluene	**19.3**		µg/l		20.0		97	70-130	2	20
1,2,3-Trichlorobenzene	**16.0**		µg/l		20.0		80	70-130	3	20
1,2,4-Trichlorobenzene	**15.7**		µg/l		20.0		79	70-130	3	20
1,3,5-Trichlorobenzene	**17.1**		µg/l		20.0		85	70-130	0.6	20
1,1,1-Trichloroethane	**22.8**		µg/l		20.0		114	70-130	10	20
1,1,2-Trichloroethane	**20.1**		µg/l		20.0		101	70-130	0.1	20
Trichloroethene	**18.7**		µg/l		20.0		94	70-130	5	20
Trichlorofluoromethane (Freon 11)	**23.7**		µg/l		20.0		119	70-130	9	20
1,2,3-Trichloropropane	**19.8**		µg/l		20.0		99	70-130	1	20
1,2,4-Trimethylbenzene	**19.6**		µg/l		20.0		98	70-130	5	20
1,3,5-Trimethylbenzene	**19.0**		µg/l		20.0		95	70-130	5	20
Vinyl chloride	**24.5**		µg/l		20.0		122	70-130	17	20
m,p-Xylene	**35.0**		µg/l		40.0		88	70-130	3	20
o-Xylene	**18.1**		µg/l		20.0		91	70-130	3	20
Tetrahydrofuran	**19.4**		µg/l		20.0		97	70-130	1	20
Ethyl ether	**22.8**		µg/l		20.0		114	70-130	0.3	20
Tert-amyl methyl ether	**22.6**		µg/l		20.0		113	70-130	3	20
Ethyl tert-butyl ether	**21.9**		µg/l		20.0		109	70-130	2	20
Di-isopropyl ether	**19.7**		µg/l		20.0		98	70-130	5	20
Tert-Butanol / butyl alcohol	**234**		µg/l		200		117	70-130	5	20
1,4-Dioxane	**196**		µg/l		200		98	70-130	18	20
trans-1,4-Dichloro-2-butene	**21.6**		µg/l		20.0		108	70-130	0.2	20
Ethanol	**483**		µg/l		400		121	70-130	6	20
Surrogate: 4-Bromofluorobenzene	*51.5*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*52.8*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.4*		µg/l		*50.0*		*115*	*70-130*		
Surrogate: Dibromofluoromethane	*55.6*		µg/l		*50.0*		*111*	*70-130*		
Matrix Spike (1303908-MS1)			**Source: SB64640-04**		Prepared & Analyzed: 19-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**31.1**	QM7, D	µg/l		20.0	BRL	155	70-130		
Acetone	**23.5**	D	µg/l		20.0	BRL	117	70-130		
Acrylonitrile	**24.4**	D	µg/l		20.0	BRL	122	70-130		
Benzene	**20.7**	D	µg/l		20.0	BRL	104	70-130		
Bromobenzene	**19.9**	D	µg/l		20.0	BRL	100	70-130		
Bromochloromethane	**22.3**	D	µg/l		20.0	BRL	111	70-130		
Bromodichloromethane	**25.5**	D	µg/l		20.0	BRL	128	70-130		
Bromoform	**26.3**	QM7, D	µg/l		20.0	BRL	132	70-130		
Bromomethane	**22.2**	D	µg/l		20.0	0.85	107	70-130		
2-Butanone (MEK)	**21.7**	D	µg/l		20.0	BRL	108	70-130		
n-Butylbenzene	**19.8**	D	µg/l		20.0	BRL	99	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
Matrix Spike (1303908-MS1)			Source: SB64640-04		Prepared & Analyzed: 19-Feb-13					
sec-Butylbenzene	**21.1**	D	µg/l		20.0	BRL	106	70-130		
tert-Butylbenzene	**20.3**	D	µg/l		20.0	BRL	101	70-130		
Carbon disulfide	**24.2**	D	µg/l		20.0	BRL	121	70-130		
Carbon tetrachloride	**31.9**	QC2, D	µg/l		20.0	BRL	160	70-130		
Chlorobenzene	**19.1**	D	µg/l		20.0	BRL	96	70-130		
Chloroethane	**26.1**	QM7, D	µg/l		20.0	BRL	131	70-130		
Chloroform	**24.3**	D	µg/l		20.0	BRL	122	70-130		
Chloromethane	**21.7**	D	µg/l		20.0	BRL	108	70-130		
2-Chlorotoluene	**20.9**	D	µg/l		20.0	BRL	104	70-130		
4-Chlorotoluene	**21.6**	D	µg/l		20.0	BRL	108	70-130		
1,2-Dibromo-3-chloropropane	**22.2**	D	µg/l		20.0	BRL	111	70-130		
Dibromochloromethane	**27.6**	QM7, D	µg/l		20.0	BRL	138	70-130		
1,2-Dibromoethane (EDB)	**23.4**	D	µg/l		20.0	BRL	117	70-130		
Dibromomethane	**23.1**	D	µg/l		20.0	BRL	116	70-130		
1,2-Dichlorobenzene	**19.0**	D	µg/l		20.0	BRL	95	70-130		
1,3-Dichlorobenzene	**20.8**	D	µg/l		20.0	BRL	104	70-130		
1,4-Dichlorobenzene	**18.0**	D	µg/l		20.0	BRL	90	70-130		
Dichlorodifluoromethane (Freon12)	**29.3**	QM7, D	µg/l		20.0	BRL	147	70-130		
1,1-Dichloroethane	**22.6**	D	µg/l		20.0	BRL	113	70-130		
1,2-Dichloroethane	**23.6**	D	µg/l		20.0	BRL	118	70-130		
1,1-Dichloroethene	**24.4**	D	µg/l		20.0	BRL	122	70-130		
cis-1,2-Dichloroethene	**20.4**	D	µg/l		20.0	BRL	102	70-130		
trans-1,2-Dichloroethene	**25.6**	D	µg/l		20.0	BRL	128	70-130		
1,2-Dichloropropane	**20.8**	D	µg/l		20.0	BRL	104	70-130		
1,3-Dichloropropane	**21.8**	D	µg/l		20.0	BRL	109	70-130		
2,2-Dichloropropane	**25.7**	D	µg/l		20.0	BRL	128	70-130		
1,1-Dichloropropene	**24.3**	D	µg/l		20.0	BRL	122	70-130		
cis-1,3-Dichloropropene	**23.5**	D	µg/l		20.0	BRL	117	70-130		
trans-1,3-Dichloropropene	**23.7**	D	µg/l		20.0	BRL	119	70-130		
Ethylbenzene	**21.5**	D	µg/l		20.0	BRL	108	70-130		
Hexachlorobutadiene	**21.3**	D	µg/l		20.0	BRL	107	70-130		
2-Hexanone (MBK)	**22.9**	D	µg/l		20.0	BRL	115	70-130		
Isopropylbenzene	**21.2**	D	µg/l		20.0	BRL	106	70-130		
4-Isopropyltoluene	**21.7**	D	µg/l		20.0	BRL	109	70-130		
Methyl tert-butyl ether	**23.8**	D	µg/l		20.0	BRL	119	70-130		
4-Methyl-2-pentanone (MIBK)	**23.4**	D	µg/l		20.0	BRL	117	70-130		
Methylene chloride	**25.8**	D	µg/l		20.0	BRL	129	70-130		
Naphthalene	**17.7**	D	µg/l		20.0	BRL	88	70-130		
n-Propylbenzene	**19.8**	D	µg/l		20.0	BRL	99	70-130		
Styrene	**20.1**	D	µg/l		20.0	BRL	101	70-130		
1,1,1,2-Tetrachloroethane	**24.7**	D	µg/l		20.0	BRL	123	70-130		
1,1,2,2-Tetrachloroethane	**21.9**	D	µg/l		20.0	BRL	109	70-130		
Tetrachloroethene	**22.9**	D	µg/l		20.0	BRL	114	70-130		
Toluene	**21.5**	D	µg/l		20.0	BRL	107	70-130		
1,2,3-Trichlorobenzene	**18.0**	D	µg/l		20.0	BRL	90	70-130		
1,2,4-Trichlorobenzene	**18.6**	D	µg/l		20.0	BRL	93	70-130		
1,3,5-Trichlorobenzene	**21.2**	D	µg/l		20.0	BRL	106	70-130		
1,1,1-Trichloroethane	**25.8**	D	µg/l		20.0	BRL	129	70-130		
1,1,2-Trichloroethane	**21.9**	D	µg/l		20.0	BRL	110	70-130		
Trichloroethene	**19.9**	D	µg/l		20.0	BRL	100	70-130		
Trichlorofluoromethane (Freon 11)	**29.2**	QM7, D	µg/l		20.0	BRL	146	70-130		
1,2,3-Trichloropropane	**21.8**	D	µg/l		20.0	BRL	109	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
Matrix Spike (1303908-MS1)			**Source: SB64640-04**			Prepared & Analyzed: 19-Feb-13				
1,2,4-Trimethylbenzene	**23.7**	D	µg/l		20.0	BRL	118	70-130		
1,3,5-Trimethylbenzene	**22.8**	D	µg/l		20.0	BRL	114	70-130		
Vinyl chloride	**30.8**	QM7, D	µg/l		20.0	BRL	154	70-130		
m,p-Xylene	**41.9**	D	µg/l		40.0	BRL	105	70-130		
o-Xylene	**21.1**	D	µg/l		20.0	BRL	105	70-130		
Tetrahydrofuran	**21.2**	D	µg/l		20.0	BRL	106	70-130		
Ethyl ether	**22.5**	D	µg/l		20.0	BRL	112	70-130		
Tert-amyl methyl ether	**24.0**	D	µg/l		20.0	BRL	120	70-130		
Ethyl tert-butyl ether	**22.3**	D	µg/l		20.0	BRL	112	70-130		
Di-isopropyl ether	**20.4**	D	µg/l		20.0	BRL	102	70-130		
Tert-Butanol / butyl alcohol	**244**	D	µg/l		200	BRL	122	70-130		
1,4-Dioxane	**197**	D	µg/l		200	BRL	99	70-130		
trans-1,4-Dichloro-2-butene	**22.4**	D	µg/l		20.0	BRL	112	70-130		
Ethanol	**534**	QM7, D	µg/l		400	BRL	133	70-130		
Surrogate: 4-Bromofluorobenzene	*53.4*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*53.7*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.8*		µg/l		*50.0*		*118*	*70-130*		
Surrogate: Dibromofluoromethane	*55.0*		µg/l		*50.0*		*110*	*70-130*		
Matrix Spike Dup (1303908-MSD1)			**Source: SB64640-04**			Prepared & Analyzed: 19-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**26.7**	QM7, D	µg/l		20.0	BRL	133	70-130	15	20
Acetone	**22.7**	D	µg/l		20.0	BRL	113	70-130	3	20
Acrylonitrile	**26.0**	D	µg/l		20.0	BRL	130	70-130	6	20
Benzene	**19.6**	D	µg/l		20.0	BRL	98	70-130	6	20
Bromobenzene	**18.6**	D	µg/l		20.0	BRL	93	70-130	7	20
Bromochloromethane	**21.8**	D	µg/l		20.0	BRL	109	70-130	2	20
Bromodichloromethane	**25.2**	D	µg/l		20.0	BRL	126	70-130	1	20
Bromoform	**25.9**	D	µg/l		20.0	BRL	129	70-130	2	20
Bromomethane	**23.4**	D	µg/l		20.0	0.85	113	70-130	5	20
2-Butanone (MEK)	**24.3**	D	µg/l		20.0	BRL	122	70-130	11	20
n-Butylbenzene	**18.2**	D	µg/l		20.0	BRL	91	70-130	8	20
sec-Butylbenzene	**19.4**	D	µg/l		20.0	BRL	97	70-130	8	20
tert-Butylbenzene	**18.7**	D	µg/l		20.0	BRL	93	70-130	8	20
Carbon disulfide	**21.4**	D	µg/l		20.0	BRL	107	70-130	12	20
Carbon tetrachloride	**28.4**	QC2, D	µg/l		20.0	BRL	142	70-130	12	20
Chlorobenzene	**17.8**	D	µg/l		20.0	BRL	89	70-130	7	20
Chloroethane	**24.3**	D	µg/l		20.0	BRL	122	70-130	7	20
Chloroform	**22.5**	D	µg/l		20.0	BRL	112	70-130	8	20
Chloromethane	**20.1**	D	µg/l		20.0	BRL	100	70-130	8	20
2-Chlorotoluene	**19.4**	D	µg/l		20.0	BRL	97	70-130	7	20
4-Chlorotoluene	**19.7**	D	µg/l		20.0	BRL	99	70-130	9	20
1,2-Dibromo-3-chloropropane	**24.9**	D	µg/l		20.0	BRL	125	70-130	11	20
Dibromochloromethane	**25.7**	D	µg/l		20.0	BRL	129	70-130	7	20
1,2-Dibromoethane (EDB)	**23.0**	D	µg/l		20.0	BRL	115	70-130	2	20
Dibromomethane	**23.1**	D	µg/l		20.0	BRL	115	70-130	0.04	20
1,2-Dichlorobenzene	**18.9**	D	µg/l		20.0	BRL	94	70-130	0.6	20
1,3-Dichlorobenzene	**20.6**	D	µg/l		20.0	BRL	103	70-130	0.8	20
1,4-Dichlorobenzene	**18.1**	D	µg/l		20.0	BRL	91	70-130	0.8	20
Dichlorodifluoromethane (Freon12)	**26.8**	QM7, D	µg/l		20.0	BRL	134	70-130	9	20
1,1-Dichloroethane	**21.2**	D	µg/l		20.0	BRL	106	70-130	7	20
1,2-Dichloroethane	**22.7**	D	µg/l		20.0	BRL	113	70-130	4	20
1,1-Dichloroethene	**22.6**	D	µg/l		20.0	BRL	113	70-130	8	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303908 - SW846 5030 Water MS										
Matrix Spike Dup (1303908-MSD1)			**Source: SB64640-04**		Prepared & Analyzed: 19-Feb-13					
cis-1,2-Dichloroethene	**19.9**	D	µg/l		20.0	BRL	99	70-130	3	20
trans-1,2-Dichloroethene	**23.0**	D	µg/l		20.0	BRL	115	70-130	10	20
1,2-Dichloropropane	**19.7**	D	µg/l		20.0	BRL	99	70-130	5	20
1,3-Dichloropropane	**22.0**	D	µg/l		20.0	BRL	110	70-130	1	20
2,2-Dichloropropane	**22.8**	D	µg/l		20.0	BRL	114	70-130	12	20
1,1-Dichloropropene	**21.0**	D	µg/l		20.0	BRL	105	70-130	14	20
cis-1,3-Dichloropropene	**22.9**	D	µg/l		20.0	BRL	114	70-130	2	20
trans-1,3-Dichloropropene	**22.9**	D	µg/l		20.0	BRL	114	70-130	4	20
Ethylbenzene	**19.3**	D	µg/l		20.0	BRL	96	70-130	11	20
Hexachlorobutadiene	**20.6**	D	µg/l		20.0	BRL	103	70-130	4	20
2-Hexanone (MBK)	**24.2**	D	µg/l		20.0	BRL	121	70-130	5	20
Isopropylbenzene	**19.2**	D	µg/l		20.0	BRL	96	70-130	10	20
4-Isopropyltoluene	**19.8**	D	µg/l		20.0	BRL	99	70-130	9	20
Methyl tert-butyl ether	**23.9**	D	µg/l		20.0	BRL	119	70-130	0.6	20
4-Methyl-2-pentanone (MIBK)	**24.6**	D	µg/l		20.0	BRL	123	70-130	5	20
Methylene chloride	**24.0**	D	µg/l		20.0	BRL	120	70-130	7	20
Naphthalene	**20.2**	D	µg/l		20.0	BRL	101	70-130	13	20
n-Propylbenzene	**18.5**	D	µg/l		20.0	BRL	93	70-130	7	20
Styrene	**19.0**	D	µg/l		20.0	BRL	95	70-130	6	20
1,1,1,2-Tetrachloroethane	**23.8**	D	µg/l		20.0	BRL	119	70-130	3	20
1,1,2,2-Tetrachloroethane	**21.2**	D	µg/l		20.0	BRL	106	70-130	3	20
Tetrachloroethene	**20.9**	D	µg/l		20.0	BRL	105	70-130	9	20
Toluene	**19.8**	D	µg/l		20.0	BRL	99	70-130	8	20
1,2,3-Trichlorobenzene	**19.1**	D	µg/l		20.0	BRL	95	70-130	6	20
1,2,4-Trichlorobenzene	**19.3**	D	µg/l		20.0	BRL	96	70-130	4	20
1,3,5-Trichlorobenzene	**21.0**	D	µg/l		20.0	BRL	105	70-130	0.9	20
1,1,1-Trichloroethane	**23.8**	D	µg/l		20.0	BRL	119	70-130	8	20
1,1,2-Trichloroethane	**20.9**	D	µg/l		20.0	BRL	105	70-130	5	20
Trichloroethene	**18.1**	D	µg/l		20.0	BRL	90	70-130	10	20
Trichlorofluoromethane (Freon 11)	**25.9**	D	µg/l		20.0	BRL	129	70-130	12	20
1,2,3-Trichloropropane	**22.0**	D	µg/l		20.0	BRL	110	70-130	1	20
1,2,4-Trimethylbenzene	**21.6**	D	µg/l		20.0	BRL	108	70-130	9	20
1,3,5-Trimethylbenzene	**21.2**	D	µg/l		20.0	BRL	106	70-130	8	20
Vinyl chloride	**24.6**	QR5, D	µg/l		20.0	BRL	123	70-130	22	20
m,p-Xylene	**37.9**	D	µg/l		40.0	BRL	95	70-130	10	20
o-Xylene	**19.2**	D	µg/l		20.0	BRL	96	70-130	9	20
Tetrahydrofuran	**19.9**	D	µg/l		20.0	BRL	99	70-130	6	20
Ethyl ether	**22.5**	D	µg/l		20.0	BRL	112	70-130	0	20
Tert-amyl methyl ether	**23.6**	D	µg/l		20.0	BRL	118	70-130	2	20
Ethyl tert-butyl ether	**22.0**	D	µg/l		20.0	BRL	110	70-130	1	20
Di-isopropyl ether	**19.9**	D	µg/l		20.0	BRL	99	70-130	3	20
Tert-Butanol / butyl alcohol	**242**	D	µg/l		200	BRL	121	70-130	1	20
1,4-Dioxane	**223**	D	µg/l		200	BRL	111	70-130	12	20
trans-1,4-Dichloro-2-butene	**23.6**	D	µg/l		20.0	BRL	118	70-130	5	20
Ethanol	**505**	D	µg/l		400	BRL	126	70-130	6	20
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*52.8*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.9*		µg/l		*50.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*54.5*		µg/l		*50.0*		*109*	*70-130*		
Batch 1304019 - SW846 5030 Water MS										
Blank (1304019-BLK1)					Prepared & Analyzed: 20-Feb-13					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304019 - SW846 5030 Water MS										
Blank (1304019-BLK1)					Prepared & Analyzed: 20-Feb-13					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304019 - SW846 5030 Water MS										
Blank (1304019-BLK1)						Prepared & Analyzed: 20-Feb-13				
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*46.1*		µg/l		*50.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.8*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*47.6*		µg/l		*50.0*		*95*	*70-130*		
LCS (1304019-BS1)						Prepared & Analyzed: 20-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**14.9**		µg/l		20.0		74	70-130		
Acetone	**16.3**		µg/l		20.0		82	70-130		
Acrylonitrile	**17.8**		µg/l		20.0		89	70-130		
Benzene	**20.0**		µg/l		20.0		100	70-130		
Bromobenzene	**22.0**		µg/l		20.0		110	70-130		
Bromochloromethane	**18.5**		µg/l		20.0		92	70-130		
Bromodichloromethane	**20.5**		µg/l		20.0		102	70-130		
Bromoform	**22.7**		µg/l		20.0		114	70-130		
Bromomethane	**20.4**		µg/l		20.0		102	70-130		
2-Butanone (MEK)	**17.0**		µg/l		20.0		85	70-130		
n-Butylbenzene	**19.7**		µg/l		20.0		99	70-130		
sec-Butylbenzene	**19.6**		µg/l		20.0		98	70-130		
tert-Butylbenzene	**19.5**		µg/l		20.0		98	70-130		
Carbon disulfide	**18.8**		µg/l		20.0		94	70-130		
Carbon tetrachloride	**18.2**		µg/l		20.0		91	70-130		
Chlorobenzene	**20.8**		µg/l		20.0		104	70-130		
Chloroethane	**19.8**		µg/l		20.0		99	70-130		
Chloroform	**19.0**		µg/l		20.0		95	70-130		
Chloromethane	**16.5**		µg/l		20.0		83	70-130		
2-Chlorotoluene	**22.6**		µg/l		20.0		113	70-130		
4-Chlorotoluene	**20.2**		µg/l		20.0		101	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304019 - SW846 5030 Water MS										
LCS (1304019-BS1)					Prepared & Analyzed: 20-Feb-13					
1,2-Dibromo-3-chloropropane	**21.3**		µg/l		20.0		107	70-130		
Dibromochloromethane	**21.1**		µg/l		20.0		106	70-130		
1,2-Dibromoethane (EDB)	**18.8**		µg/l		20.0		94	70-130		
Dibromomethane	**19.7**		µg/l		20.0		98	70-130		
1,2-Dichlorobenzene	**23.4**		µg/l		20.0		117	70-130		
1,3-Dichlorobenzene	**22.9**		µg/l		20.0		115	70-130		
1,4-Dichlorobenzene	**21.6**		µg/l		20.0		108	70-130		
Dichlorodifluoromethane (Freon12)	**14.7**		µg/l		20.0		74	70-130		
1,1-Dichloroethane	**18.0**		µg/l		20.0		90	70-130		
1,2-Dichloroethane	**18.4**		µg/l		20.0		92	70-130		
1,1-Dichloroethene	**16.7**		µg/l		20.0		83	70-130		
cis-1,2-Dichloroethene	**18.5**		µg/l		20.0		93	70-130		
trans-1,2-Dichloroethene	**17.8**		µg/l		20.0		89	70-130		
1,2-Dichloropropane	**19.8**		µg/l		20.0		99	70-130		
1,3-Dichloropropane	**20.2**		µg/l		20.0		101	70-130		
2,2-Dichloropropane	**21.8**		µg/l		20.0		109	70-130		
1,1-Dichloropropene	**18.4**		µg/l		20.0		92	70-130		
cis-1,3-Dichloropropene	**22.0**		µg/l		20.0		110	70-130		
trans-1,3-Dichloropropene	**22.3**		µg/l		20.0		112	70-130		
Ethylbenzene	**22.0**		µg/l		20.0		110	70-130		
Hexachlorobutadiene	**15.9**		µg/l		20.0		79	70-130		
2-Hexanone (MBK)	**18.6**		µg/l		20.0		93	70-130		
Isopropylbenzene	**20.4**		µg/l		20.0		102	70-130		
4-Isopropyltoluene	**19.7**		µg/l		20.0		99	70-130		
Methyl tert-butyl ether	**20.1**		µg/l		20.0		101	70-130		
4-Methyl-2-pentanone (MIBK)	**19.6**		µg/l		20.0		98	70-130		
Methylene chloride	**18.0**		µg/l		20.0		90	70-130		
Naphthalene	**18.7**		µg/l		20.0		93	70-130		
n-Propylbenzene	**20.2**		µg/l		20.0		101	70-130		
Styrene	**19.8**		µg/l		20.0		99	70-130		
1,1,1,2-Tetrachloroethane	**21.2**		µg/l		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	**20.2**		µg/l		20.0		101	70-130		
Tetrachloroethene	**17.0**		µg/l		20.0		85	70-130		
Toluene	**20.3**		µg/l		20.0		102	70-130		
1,2,3-Trichlorobenzene	**17.7**		µg/l		20.0		89	70-130		
1,2,4-Trichlorobenzene	**17.6**		µg/l		20.0		88	70-130		
1,3,5-Trichlorobenzene	**20.0**		µg/l		20.0		100	70-130		
1,1,1-Trichloroethane	**19.7**		µg/l		20.0		99	70-130		
1,1,2-Trichloroethane	**19.2**		µg/l		20.0		96	70-130		
Trichloroethene	**17.8**		µg/l		20.0		89	70-130		
Trichlorofluoromethane (Freon 11)	**15.4**		µg/l		20.0		77	70-130		
1,2,3-Trichloropropane	**21.5**		µg/l		20.0		107	70-130		
1,2,4-Trimethylbenzene	**20.0**		µg/l		20.0		100	70-130		
1,3,5-Trimethylbenzene	**19.9**		µg/l		20.0		100	70-130		
Vinyl chloride	**15.5**		µg/l		20.0		77	70-130		
m,p-Xylene	**40.9**		µg/l		40.0		102	70-130		
o-Xylene	**23.3**		µg/l		20.0		117	70-130		
Tetrahydrofuran	**19.3**		µg/l		20.0		97	70-130		
Ethyl ether	**17.2**		µg/l		20.0		86	70-130		
Tert-amyl methyl ether	**15.8**		µg/l		20.0		79	70-130		
Ethyl tert-butyl ether	**23.0**		µg/l		20.0		115	70-130		
Di-isopropyl ether	**19.5**		µg/l		20.0		98	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304019 - SW846 5030 Water MS										
LCS (1304019-BS1)						Prepared & Analyzed: 20-Feb-13				
Tert-Butanol / butyl alcohol	**214**		µg/l		200		107	70-130		
1,4-Dioxane	**186**		µg/l		200		93	70-130		
trans-1,4-Dichloro-2-butene	**22.2**		µg/l		20.0		111	70-130		
Ethanol	**368**		µg/l		400		92	70-130		
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*49.2*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.4*		µg/l		*50.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*47.7*		µg/l		*50.0*		*95*	*70-130*		
LCS Dup (1304019-BSD1)		QM10				Prepared & Analyzed: 20-Feb-13				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**14.0**		µg/l		20.0		70	70-130	6	20
Acetone	**17.5**		µg/l		20.0		87	70-130	7	20
Acrylonitrile	**17.2**		µg/l		20.0		86	70-130	3	20
Benzene	**19.4**		µg/l		20.0		97	70-130	3	20
Bromobenzene	**22.1**		µg/l		20.0		110	70-130	0.4	20
Bromochloromethane	**18.4**		µg/l		20.0		92	70-130	0.5	20
Bromodichloromethane	**20.1**		µg/l		20.0		100	70-130	2	20
Bromoform	**22.2**		µg/l		20.0		111	70-130	2	20
Bromomethane	**18.7**		µg/l		20.0		94	70-130	9	20
2-Butanone (MEK)	**15.7**		µg/l		20.0		78	70-130	8	20
n-Butylbenzene	**18.4**		µg/l		20.0		92	70-130	7	20
sec-Butylbenzene	**18.5**		µg/l		20.0		92	70-130	6	20
tert-Butylbenzene	**18.6**		µg/l		20.0		93	70-130	5	20
Carbon disulfide	**17.5**		µg/l		20.0		88	70-130	7	20
Carbon tetrachloride	**17.7**		µg/l		20.0		89	70-130	3	20
Chlorobenzene	**19.5**		µg/l		20.0		97	70-130	7	20
Chloroethane	**18.0**		µg/l		20.0		90	70-130	9	20
Chloroform	**18.7**		µg/l		20.0		93	70-130	1	20
Chloromethane	**16.0**		µg/l		20.0		80	70-130	3	20
2-Chlorotoluene	**21.4**		µg/l		20.0		107	70-130	5	20
4-Chlorotoluene	**20.0**		µg/l		20.0		100	70-130	1	20
1,2-Dibromo-3-chloropropane	**21.3**		µg/l		20.0		107	70-130	0.05	20
Dibromochloromethane	**20.9**		µg/l		20.0		105	70-130	1	20
1,2-Dibromoethane (EDB)	**19.0**		µg/l		20.0		95	70-130	0.9	20
Dibromomethane	**19.4**		µg/l		20.0		97	70-130	1	20
1,2-Dichlorobenzene	**22.1**		µg/l		20.0		111	70-130	6	20
1,3-Dichlorobenzene	**22.7**		µg/l		20.0		113	70-130	1	20
1,4-Dichlorobenzene	**20.5**		µg/l		20.0		103	70-130	5	20
Dichlorodifluoromethane (Freon12)	**13.8**		µg/l		20.0		69	70-130	6	20
1,1-Dichloroethane	**16.3**		µg/l		20.0		82	70-130	10	20
1,2-Dichloroethane	**18.4**		µg/l		20.0		92	70-130	0.1	20
1,1-Dichloroethene	**15.7**		µg/l		20.0		79	70-130	6	20
cis-1,2-Dichloroethene	**18.3**		µg/l		20.0		91	70-130	1	20
trans-1,2-Dichloroethene	**15.2**		µg/l		20.0		76	70-130	16	20
1,2-Dichloropropane	**19.2**		µg/l		20.0		96	70-130	3	20
1,3-Dichloropropane	**20.0**		µg/l		20.0		100	70-130	1	20
2,2-Dichloropropane	**20.7**		µg/l		20.0		103	70-130	6	20
1,1-Dichloropropene	**17.8**		µg/l		20.0		89	70-130	3	20
cis-1,3-Dichloropropene	**21.1**		µg/l		20.0		106	70-130	4	20
trans-1,3-Dichloropropene	**21.9**		µg/l		20.0		110	70-130	2	20
Ethylbenzene	**21.3**		µg/l		20.0		106	70-130	3	20
Hexachlorobutadiene	**15.2**		µg/l		20.0		76	70-130	5	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304019 - SW846 5030 Water MS										
LCS Dup (1304019-BSD1)		QM10			Prepared & Analyzed: 20-Feb-13					
2-Hexanone (MBK)	**18.5**		µg/l		20.0		92	70-130	0.5	20
Isopropylbenzene	**19.6**		µg/l		20.0		98	70-130	4	20
4-Isopropyltoluene	**18.5**		µg/l		20.0		93	70-130	6	20
Methyl tert-butyl ether	**16.8**		µg/l		20.0		84	70-130	18	20
4-Methyl-2-pentanone (MIBK)	**19.3**		µg/l		20.0		97	70-130	2	20
Methylene chloride	**17.7**		µg/l		20.0		88	70-130	2	20
Naphthalene	**17.8**		µg/l		20.0		89	70-130	5	20
n-Propylbenzene	**19.2**		µg/l		20.0		96	70-130	5	20
Styrene	**18.8**		µg/l		20.0		94	70-130	5	20
1,1,1,2-Tetrachloroethane	**20.9**		µg/l		20.0		104	70-130	2	20
1,1,2,2-Tetrachloroethane	**20.0**		µg/l		20.0		100	70-130	0.7	20
Tetrachloroethene	**16.2**		µg/l		20.0		81	70-130	5	20
Toluene	**19.1**		µg/l		20.0		96	70-130	6	20
1,2,3-Trichlorobenzene	**16.1**		µg/l		20.0		81	70-130	9	20
1,2,4-Trichlorobenzene	**16.5**		µg/l		20.0		83	70-130	6	20
1,3,5-Trichlorobenzene	**18.8**		µg/l		20.0		94	70-130	6	20
1,1,1-Trichloroethane	**18.5**		µg/l		20.0		92	70-130	7	20
1,1,2-Trichloroethane	**19.6**		µg/l		20.0		98	70-130	2	20
Trichloroethene	**17.9**		µg/l		20.0		90	70-130	0.7	20
Trichlorofluoromethane (Freon 11)	**14.7**		µg/l		20.0		73	70-130	5	20
1,2,3-Trichloropropane	**20.8**		µg/l		20.0		104	70-130	3	20
1,2,4-Trimethylbenzene	**18.9**		µg/l		20.0		95	70-130	5	20
1,3,5-Trimethylbenzene	**18.8**		µg/l		20.0		94	70-130	6	20
Vinyl chloride	**15.3**		µg/l		20.0		76	70-130	1	20
m,p-Xylene	**39.8**		µg/l		40.0		100	70-130	3	20
o-Xylene	**22.3**		µg/l		20.0		112	70-130	4	20
Tetrahydrofuran	**19.4**		µg/l		20.0		97	70-130	0.4	20
Ethyl ether	**17.8**		µg/l		20.0		89	70-130	3	20
Tert-amyl methyl ether	**16.0**		µg/l		20.0		80	70-130	1	20
Ethyl tert-butyl ether	**23.0**		µg/l		20.0		115	70-130	0	20
Di-isopropyl ether	**19.3**		µg/l		20.0		96	70-130	1	20
Tert-Butanol / butyl alcohol	**215**		µg/l		200		108	70-130	0.8	20
1,4-Dioxane	**182**		µg/l		200		91	70-130	2	20
trans-1,4-Dichloro-2-butene	**21.2**		µg/l		20.0		106	70-130	5	20
Ethanol	**353**		µg/l		400		88	70-130	4	20
Surrogate: 4-Bromofluorobenzene	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.8*		µg/l		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*47.4*		µg/l		*50.0*		*95*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304097 - SW846 3510C										
Blank (1304097-BLK2)					Prepared: 21-Feb-13 Analyzed: 22-Feb-13					
Acenaphthene	< 0.050		µg/l	0.050						
Acenaphthylene	< 0.050		µg/l	0.050						
1-Methylnaphthalene	< 0.050		µg/l	0.050						
Anthracene	< 0.050		µg/l	0.050						
Benzo (a) anthracene	< 0.050		µg/l	0.050						
Benzo (a) pyrene	< 0.050		µg/l	0.050						
Benzo (b) fluoranthene	< 0.050		µg/l	0.050						
Benzo (g,h,i) perylene	< 0.050		µg/l	0.050						
Benzo (k) fluoranthene	< 0.050		µg/l	0.050						
Chrysene	< 0.050		µg/l	0.050						
Dibenzo (a,h) anthracene	< 0.050		µg/l	0.050						
Fluoranthene	< 0.050		µg/l	0.050						
Fluorene	< 0.050		µg/l	0.050						
Indeno (1,2,3-cd) pyrene	< 0.050		µg/l	0.050						
2-Methylnaphthalene	< 0.050		µg/l	0.050						
Naphthalene	< 0.050		µg/l	0.050						
Phenanthrene	< 0.050		µg/l	0.050						
Pyrene	< 0.050		µg/l	0.050						
Surrogate: 2-Fluorobiphenyl	*31.7*		µg/l		*50.0*		*63*	*30-130*		
Surrogate: Terphenyl-dl4	*38.5*		µg/l		*50.0*		*77*	*30-130*		
LCS (1304097-BS2)					Prepared: 21-Feb-13 Analyzed: 22-Feb-13					
Acenaphthene	**0.638**		µg/l	0.050	1.00		64	40-140		
Acenaphthylene	**0.661**		µg/l	0.050	1.00		66	40-140		
1-Methylnaphthalene	**0.672**		µg/l	0.050	1.00		67	40-140		
Anthracene	**0.716**		µg/l	0.050	1.00		72	40-140		
Benzo (a) anthracene	**0.779**		µg/l	0.050	1.00		78	40-140		
Benzo (a) pyrene	**0.788**		µg/l	0.050	1.00		79	40-140		
Benzo (b) fluoranthene	**0.772**		µg/l	0.050	1.00		77	40-140		
Benzo (g,h,i) perylene	**0.760**		µg/l	0.050	1.00		76	40-140		
Benzo (k) fluoranthene	**0.743**		µg/l	0.050	1.00		74	40-140		
Chrysene	**0.715**		µg/l	0.050	1.00		72	40-140		
Dibenzo (a,h) anthracene	**0.895**		µg/l	0.050	1.00		90	40-140		
Fluoranthene	**0.748**		µg/l	0.050	1.00		75	40-140		
Fluorene	**0.671**		µg/l	0.050	1.00		67	40-140		
Indeno (1,2,3-cd) pyrene	**0.866**		µg/l	0.050	1.00		87	40-140		
2-Methylnaphthalene	**0.656**		µg/l	0.050	1.00		66	40-140		
Naphthalene	**0.639**		µg/l	0.050	1.00		64	40-140		
Phenanthrene	**0.691**		µg/l	0.050	1.00		69	40-140		
Pyrene	**0.736**		µg/l	0.050	1.00		74	40-140		
Surrogate: 2-Fluorobiphenyl	*0.610*		µg/l		*1.00*		*61*	*30-130*		
Surrogate: Terphenyl-dl4	*0.750*		µg/l		*1.00*		*75*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303919 - SW846 3510C										
Blank (1303919-BLK1)					Prepared: 19-Feb-13 Analyzed: 22-Feb-13					
Gasoline	< 0.2		mg/l	0.2						
Fuel Oil #2	< 0.2		mg/l	0.2						
Fuel Oil #4	< 0.2		mg/l	0.2						
Fuel Oil #6	< 0.2		mg/l	0.2						
Motor Oil	< 0.2		mg/l	0.2						
Aviation Fuel	< 0.2		mg/l	0.2						
Unidentified	< 0.2		mg/l	0.2						
Other Oil	< 0.2		mg/l	0.2						
Total Petroleum Hydrocarbons	< 0.2		mg/l	0.2						
C9-C36 Aliphatic Hydrocarbons	< 0.1		mg/l	0.1						
n-Nonadecane	< 0.005		mg/l	0.005						
n-Nonane	< 0.005		mg/l	0.005						
n-Decane	< 0.005		mg/l	0.005						
n-Dodecane	< 0.005		mg/l	0.005						
n-Tetradecane	< 0.005		mg/l	0.005						
n-Hexadecane	< 0.005		mg/l	0.005						
n-Octadecane	< 0.005		mg/l	0.005						
n-Eicosane	< 0.005		mg/l	0.005						
n-Docosane	< 0.005		mg/l	0.005						
n-Tetracosane	< 0.005		mg/l	0.005						
n-Hexacosane	< 0.005		mg/l	0.005						
n-Octacosane	< 0.005		mg/l	0.005						
n-Triacontane	< 0.005		mg/l	0.005						
n-Hexatriacontane	< 0.005		mg/l	0.005						
Surrogate: 1-Chlorooctadecane	*0.0367*		mg/l		*0.0500*		*73*	*50-150*		
LCS (1303919-BS1)					Prepared: 19-Feb-13 Analyzed: 22-Feb-13					
C9-C36 Aliphatic Hydrocarbons	**1.1**		mg/l	0.2	1.40		78	60-120		
Surrogate: 1-Chlorooctadecane	*0.0368*		mg/l		*0.0500*		*74*	*50-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304057 - SW846 3005A										
Blank (1304057-BLK1)					Prepared: 21-Feb-13 Analyzed: 22-Feb-13					
Iron	< 0.0150		mg/l	0.0150						
Sodium	< 5.00		mg/l	5.00						
Manganese	< 0.0020		mg/l	0.0020						
Potassium	< 0.500		mg/l	0.500						
Magnesium	< 0.0100		mg/l	0.0100						
Zinc	< 0.0050		mg/l	0.0050						
Copper	< 0.0050		mg/l	0.0050						
Chromium	< 0.0050		mg/l	0.0050						
Cadmium	< 0.0025		mg/l	0.0025						
Thallium	< 0.0050		mg/l	0.0050						
Vanadium	< 0.0050		mg/l	0.0050						
Beryllium	< 0.0020		mg/l	0.0020						
Silver	< 0.0050		mg/l	0.0050						
Calcium	< 0.100		mg/l	0.100						
Selenium	< 0.0150		mg/l	0.0150						
Antimony	< 0.0060		mg/l	0.0060						
Lead	< 0.0075		mg/l	0.0075						
Nickel	< 0.0050		mg/l	0.0050						
Arsenic	< 0.0040		mg/l	0.0040						
Barium	< 0.0050		mg/l	0.0050						
LCS (1304057-BS1)					Prepared: 21-Feb-13 Analyzed: 22-Feb-13					
Manganese	**1.24**		mg/l	0.0020	1.25		99	85-115		
Magnesium	**1.24**		mg/l	0.0100	1.25		100	85-115		
Potassium	**11.7**		mg/l	0.500	12.5		93	85-115		
Iron	**1.22**		mg/l	0.0150	1.25		97	85-115		
Sodium	**6.19**		mg/l	5.00	6.25		99	85-115		
Vanadium	**1.24**		mg/l	0.0050	1.25		99	85-115		
Barium	**1.23**		mg/l	0.0050	1.25		98	85-115		
Silver	**1.24**		mg/l	0.0050	1.25		99	85-115		
Arsenic	**1.22**		mg/l	0.0040	1.25		97	85-115		
Antimony	**1.22**		mg/l	0.0060	1.25		98	85-115		
Selenium	**1.25**		mg/l	0.0150	1.25		100	85-115		
Thallium	**1.30**		mg/l	0.0050	1.25		104	85-115		
Beryllium	**1.29**		mg/l	0.0020	1.25		103	85-115		
Lead	**1.27**		mg/l	0.0075	1.25		102	85-115		
Nickel	**1.20**		mg/l	0.0050	1.25		96	85-115		
Copper	**1.23**		mg/l	0.0050	1.25		98	85-115		
Chromium	**1.27**		mg/l	0.0050	1.25		102	85-115		
Cadmium	**1.21**		mg/l	0.0025	1.25		97	85-115		
Calcium	**6.36**		mg/l	0.100	6.25		102	85-115		
Zinc	**1.21**		mg/l	0.0050	1.25		97	85-115		
LCS Dup (1304057-BSD1)					Prepared: 21-Feb-13 Analyzed: 22-Feb-13					
Iron	**1.28**		mg/l	0.0150	1.25		103	85-115	5	20
Potassium	**12.1**		mg/l	0.500	12.5		97	85-115	4	20
Magnesium	**1.27**		mg/l	0.0100	1.25		102	85-115	2	20
Manganese	**1.27**		mg/l	0.0020	1.25		102	85-115	3	20
Sodium	**6.54**		mg/l	5.00	6.25		105	85-115	6	20
Calcium	**6.56**		mg/l	0.100	6.25		105	85-115	3	20
Beryllium	**1.31**		mg/l	0.0020	1.25		105	85-115	2	20
Barium	**1.25**		mg/l	0.0050	1.25		100	85-115	2	20
Zinc	**1.23**		mg/l	0.0050	1.25		98	85-115	2	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304057 - SW846 3005A										
LCS Dup (1304057-BSD1)					Prepared: 21-Feb-13		Analyzed: 22-Feb-13			
Vanadium	**1.27**		mg/l	0.0050	1.25		102	85-115	3	20
Thallium	**1.30**		mg/l	0.0050	1.25		104	85-115	0.3	20
Selenium	**1.24**		mg/l	0.0150	1.25		99	85-115	1	20
Antimony	**1.22**		mg/l	0.0060	1.25		98	85-115	0.1	20
Lead	**1.28**		mg/l	0.0075	1.25		103	85-115	0.7	20
Nickel	**1.21**		mg/l	0.0050	1.25		97	85-115	1	20
Copper	**1.27**		mg/l	0.0050	1.25		101	85-115	3	20
Cadmium	**1.22**		mg/l	0.0025	1.25		98	85-115	0.7	20
Arsenic	**1.21**		mg/l	0.0040	1.25		97	85-115	0.08	20
Silver	**1.26**		mg/l	0.0050	1.25		101	85-115	2	20
Chromium	**1.29**		mg/l	0.0050	1.25		103	85-115	1	20
Duplicate (1304057-DUP1)			**Source: SB64640-02**		Prepared: 21-Feb-13		Analyzed: 25-Feb-13			
Manganese	**8.39**	GS1, D	mg/l	0.0100		8.16			3	20
Iron	**52.6**		mg/l	0.0150		51.6			2	20
Sodium	**19.7**	R01	mg/l	5.00		19.2			3	20
Magnesium	**32.7**		mg/l	0.0100		33.0			0.9	20
Potassium	**6.03**		mg/l	0.500		6.36			5	20
Silver	< 0.0050		mg/l	0.0050		BRL				20
Cadmium	< 0.0025		mg/l	0.0025		BRL				20
Chromium	**0.0029**	J	mg/l	0.0050		0.0030			3	20
Calcium	**116**		mg/l	0.100		119			3	20
Beryllium	< 0.0020		mg/l	0.0020		BRL				20
Arsenic	< 0.0040		mg/l	0.0040		BRL				20
Vanadium	< 0.0050		mg/l	0.0050		BRL				20
Copper	< 0.0050		mg/l	0.0050		BRL				20
Nickel	< 0.0050		mg/l	0.0050		BRL				20
Lead	**0.0028**	J,QR8	mg/l	0.0075		0.0022			24	20
Thallium	< 0.0050		mg/l	0.0050		BRL				20
Selenium	**0.0322**	J,R01, D	mg/l	0.0750		0.0342			6	20
Barium	**0.254**		mg/l	0.0050		0.260			2	20
Zinc	**0.0024**	J	mg/l	0.0050		0.0022			9	20
Antimony	< 0.0300	R01, D	mg/l	0.0300		BRL				20
Matrix Spike (1304057-MS1)			**Source: SB64640-01**		Prepared: 21-Feb-13		Analyzed: 22-Feb-13			
Iron	**1.78**		mg/l	0.0150	1.25	0.443	107	75-125		
Manganese	**2.40**		mg/l	0.0020	1.25	1.10	104	75-125		
Magnesium	**6.68**		mg/l	0.0100	1.25	5.65	82	75-125		
Sodium	**67.8**		mg/l	5.00	6.25	60.1	122	75-125		
Potassium	**16.2**		mg/l	0.500	12.5	3.75	100	75-125		
Thallium	**1.30**		mg/l	0.0050	1.25	BRL	104	75-125		
Nickel	**1.23**		mg/l	0.0050	1.25	0.0128	97	75-125		
Lead	**1.28**		mg/l	0.0075	1.25	0.0021	102	75-125		
Selenium	**1.31**		mg/l	0.0150	1.25	0.0075	104	75-125		
Vanadium	**1.32**		mg/l	0.0050	1.25	BRL	106	70-130		
Zinc	**1.28**		mg/l	0.0050	1.25	0.0342	100	75-125		
Antimony	**1.26**		mg/l	0.0060	1.25	BRL	101	75-125		
Cadmium	**1.25**		mg/l	0.0025	1.25	BRL	100	75-125		
Calcium	**27.0**		mg/l	0.100	6.25	20.9	98	75-125		
Beryllium	**1.35**		mg/l	0.0020	1.25	BRL	108	75-125		
Barium	**1.34**		mg/l	0.0050	1.25	0.0703	101	75-125		
Arsenic	**1.28**		mg/l	0.0040	1.25	BRL	103	75-125		
Silver	**1.31**		mg/l	0.0050	1.25	BRL	105	75-125		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304057 - SW846 3005A										
Matrix Spike (1304057-MS1)			**Source: SB64640-01**		Prepared: 21-Feb-13	Analyzed: 22-Feb-13				
Copper	**1.30**		mg/l	0.0050	1.25	0.0040	104	75-125		
Chromium	**1.29**		mg/l	0.0050	1.25	BRL	103	75-125		
Matrix Spike Dup (1304057-MSD1)			**Source: SB64640-01**		Prepared: 21-Feb-13	Analyzed: 22-Feb-13				
Potassium	**14.9**		mg/l	0.500	12.5	3.75	89	75-125	8	20
Sodium	**62.2**	QM4X	mg/l	5.00	6.25	60.1	33	75-125	9	20
Magnesium	**6.44**	QM4X	mg/l	0.0100	1.25	5.65	64	75-125	4	20
Iron	**1.61**		mg/l	0.0150	1.25	0.443	94	75-125	10	20
Manganese	**2.18**		mg/l	0.0020	1.25	1.10	87	75-125	9	20
Antimony	**1.20**		mg/l	0.0060	1.25	BRL	96	75-125	4	20
Zinc	**1.23**		mg/l	0.0050	1.25	0.0342	96	75-125	4	20
Vanadium	**1.20**		mg/l	0.0050	1.25	BRL	96	70-130	9	20
Selenium	**1.23**		mg/l	0.0150	1.25	0.0075	98	75-125	6	20
Cadmium	**1.17**		mg/l	0.0025	1.25	BRL	94	75-125	7	20
Lead	**1.22**		mg/l	0.0075	1.25	0.0021	97	75-125	5	20
Nickel	**1.17**		mg/l	0.0050	1.25	0.0128	93	75-125	5	20
Silver	**1.21**		mg/l	0.0050	1.25	BRL	97	75-125	8	20
Arsenic	**1.21**		mg/l	0.0040	1.25	BRL	97	75-125	6	20
Barium	**1.26**		mg/l	0.0050	1.25	0.0703	96	75-125	5	20
Beryllium	**1.29**		mg/l	0.0020	1.25	BRL	103	75-125	5	20
Calcium	**25.4**	QM8	mg/l	0.100	6.25	20.9	72	75-125	6	20
Copper	**1.17**		mg/l	0.0050	1.25	0.0040	93	75-125	10	20
Chromium	**1.26**		mg/l	0.0050	1.25	BRL	101	75-125	3	20
Thallium	**1.27**		mg/l	0.0050	1.25	BRL	102	75-125	2	20
Post Spike (1304057-PS1)			**Source: SB64640-01**		Prepared: 21-Feb-13	Analyzed: 22-Feb-13				
Potassium	**17.0**		mg/l	0.500	12.5	3.75	106	80-120		
Magnesium	**6.56**	QM4X	mg/l	0.0100	1.25	5.65	73	80-120		
Manganese	**2.41**		mg/l	0.0020	1.25	1.10	105	80-120		
Iron	**1.85**		mg/l	0.0150	1.25	0.443	112	80-120		
Sodium	**62.0**	QM4X	mg/l	5.00	6.25	60.1	30	80-120		
Cadmium	**1.35**		mg/l	0.0025	1.25	BRL	108	80-120		
Selenium	**1.42**		mg/l	0.0150	1.25	0.0075	113	80-120		
Chromium	**1.43**		mg/l	0.0050	1.25	BRL	114	80-120		
Calcium	**26.3**		mg/l	0.100	6.25	20.9	85	80-120		
Barium	**1.46**		mg/l	0.0050	1.25	0.0703	111	80-120		
Arsenic	**1.40**		mg/l	0.0040	1.25	BRL	112	80-120		
Silver	**1.39**		mg/l	0.0050	1.25	BRL	111	80-120		
Beryllium	**1.48**		mg/l	0.0020	1.25	BRL	118	80-120		
Vanadium	**1.40**		mg/l	0.0050	1.25	BRL	112	80-120		
Nickel	**1.35**		mg/l	0.0050	1.25	0.0128	107	80-120		
Copper	**1.38**		mg/l	0.0050	1.25	0.0040	110	80-120		
Antimony	**1.37**		mg/l	0.0060	1.25	BRL	110	80-120		
Zinc	**1.40**		mg/l	0.0050	1.25	0.0342	109	80-120		
Thallium	**1.41**		mg/l	0.0050	1.25	BRL	113	80-120		
Lead	**1.39**		mg/l	0.0075	1.25	0.0021	111	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1304058 - EPA200/SW7000 Series										
Blank (1304058-BLK1)					Prepared: 21-Feb-13	Analyzed: 22-Feb-13				
Mercury	< 0.00020		mg/l	0.00020						
LCS (1304058-BS1)					Prepared: 21-Feb-13	Analyzed: 22-Feb-13				
Mercury	**0.00468**		mg/l	0.00020	0.00500		94	85-115		
Duplicate (1304058-DUP1)			**Source: SB64640-03**		Prepared: 21-Feb-13	Analyzed: 22-Feb-13				
Mercury	< 0.00020		mg/l	0.00020		BRL				20
Matrix Spike (1304058-MS1)			**Source: SB64640-03**		Prepared: 21-Feb-13	Analyzed: 22-Feb-13				
Mercury	**0.00490**		mg/l	0.00020	0.00500	BRL	98	80-120		
Matrix Spike Dup (1304058-MSD1)			**Source: SB64640-03**		Prepared: 21-Feb-13	Analyzed: 22-Feb-13				
Mercury	**0.00481**		mg/l	0.00020	0.00500	BRL	96	80-120	2	20
Post Spike (1304058-PS1)			**Source: SB64640-03**		Prepared: 21-Feb-13	Analyzed: 22-Feb-13				
Mercury	**0.00496**		mg/l	0.00020	0.00500	BRL	99	85-115		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1303840 - General Preparation										
Blank (1303840-BLK1)					Prepared & Analyzed: 15-Feb-13					
Chloride	< 1.00		mg/l	1.00						
Nitrite as N	< 0.100		mg/l	0.100						
Sulfate as SO4	< 1.00		mg/l	1.00						
Nitrate as N	< 0.100		mg/l	0.100						
LCS (1303840-BS1)					Prepared & Analyzed: 15-Feb-13					
Nitrite as N	**2.05**		mg/l	0.100	2.00		102	90-110		
Sulfate as SO4	**20.2**		mg/l	1.00	20.0		101	90-110		
Chloride	**20.6**		mg/l	1.00	20.0		103	90-110		
Nitrate as N	**1.94**		mg/l	0.100	2.00		97	90-110		
Reference (1303840-SRM1)					Prepared & Analyzed: 15-Feb-13					
Chloride	**25.4**		mg/l	1.00	25.0		102	90-110		
Nitrite as N	**2.53**		mg/l	0.100	2.50		101	90-110		
Sulfate as SO4	**24.6**		mg/l	1.00	25.0		99	90-110		
Nitrate as N	**2.35**		mg/l	0.100	2.50		94	90-110		
Batch 1303874 - General Preparation										
Blank (1303874-BLK1)					Prepared & Analyzed: 15-Feb-13					
Sulfide	< 0.100		mg/l	0.100						
LCS (1303874-BS1)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.526**		mg/l	0.100	0.500		105	80-120		
Calibration Blank (1303874-CCB1)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.00**		mg/l							
Calibration Blank (1303874-CCB2)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.00100**		mg/l							
Calibration Check (1303874-CCV1)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.526**		mg/l	0.100	0.500		105	90-110		
Calibration Check (1303874-CCV2)					Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.524**		mg/l	0.100	0.500		105	90-110		
Duplicate (1303874-DUP1)			**Source: SB64640-05**		Prepared & Analyzed: 15-Feb-13					
Sulfide	< 0.100		mg/l	0.100		BRL				20
Matrix Spike (1303874-MS1)			**Source: SB64640-05**		Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.518**		mg/l	0.100	0.500	BRL	104	70-130		
Matrix Spike Dup (1303874-MSD1)			**Source: SB64640-05**		Prepared & Analyzed: 15-Feb-13					
Sulfide	**0.518**		mg/l	0.100	0.500	BRL	104	70-130	0	20

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S213327				
Initial Cal Check (S213327-ICV1)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	4.172451E+08	-0.7	30
n-Nonadecane	3.745961E+08	3.59851E+08	-3.9	30
n-Nonane	3.518477E+08	3.302035E+08	-6.2	30
n-Decane	3.529094E+08	3.288622E+08	-6.8	30
n-Dodecane	3.518164E+08	3.322097E+08	-5.6	30
n-Tetradecane	3.572305E+08	3.375628E+08	-5.5	30
n-Hexadecane	3.744608E+08	3.467755E+08	-7.4	30
n-Octadecane	3.788767E+08	3.559894E+08	-6.0	30
n-Eicosane	3.823902E+08	3.589655E+08	-6.1	30
n-Docosane	3.820764E+08	3.633782E+08	-4.9	30
n-Tetracosane	3.827095E+08	3.647666E+08	-4.7	30
n-Hexacosane	3.827387E+08	3.658727E+08	-4.4	30
n-Octacosane	3.778821E+08	3.551134E+08	-6.0	30
n-Triacontane	3.760388E+08	3.625737E+08	-3.6	30
n-Hexatriacontane	3.596146E+08	3.377967E+08	-6.1	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301987				
Calibration Check (S301987-CCV1)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.607576E+08	-14.9	30
n-Nonadecane	3.745961E+08	3.345576E+08	-10.7	30
n-Nonane	3.518477E+08	3.101475E+08	-11.9	30
n-Decane	3.529094E+08	3.036594E+08	-14.0	30
n-Dodecane	3.518164E+08	2.959034E+08	-15.9	30
n-Tetradecane	3.572305E+08	3.168613E+08	-11.3	30
n-Hexadecane	3.744608E+08	3.31935E+08	-11.4	30
n-Octadecane	3.788767E+08	3.35744E+08	-11.4	30
n-Eicosane	3.823902E+08	3.383871E+08	-11.5	30
n-Docosane	3.820764E+08	3.359371E+08	-12.1	30
n-Tetracosane	3.827095E+08	3.34865E+08	-12.5	30
n-Hexacosane	3.827387E+08	3.370138E+08	-11.9	30
n-Octacosane	3.778821E+08	3.337242E+08	-11.7	30
n-Triacontane	3.760388E+08	3.332836E+08	-11.4	30
n-Hexatriacontane	3.596146E+08	3.297466E+08	-8.3	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301987				
Calibration Check (S301987-CCV2)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	4.270639E+08	1.8	30
n-Nonadecane	3.745961E+08	3.956374E+08	5.6	30
n-Nonane	3.518477E+08	3.661714E+08	4.1	30
n-Decane	3.529094E+08	3.69622E+08	4.7	30
n-Dodecane	3.518164E+08	3.685261E+08	4.7	30
n-Tetradecane	3.572305E+08	3.801683E+08	6.4	30
n-Hexadecane	3.744608E+08	3.908843E+08	4.4	30
n-Octadecane	3.788767E+08	3.974087E+08	4.9	30
n-Eicosane	3.823902E+08	4.005148E+08	4.7	30
n-Docosane	3.820764E+08	4.001282E+08	4.7	30
n-Tetracosane	3.827095E+08	4.018274E+08	5.0	30
n-Hexacosane	3.827387E+08	4.049335E+08	5.8	30
n-Octacosane	3.778821E+08	4.051918E+08	7.2	30
n-Triacontane	3.760388E+08	4.097266E+08	9.0	30
n-Hexatriacontane	3.596146E+08	4.143518E+08	15.2	30

Extractable Petroleum Hydrocarbons - CCV Evaluation Report

Analyte(s)	Average RF	CCRF	% D	Limit
Batch S301987				
Calibration Check (S301987-CCV3)				
C9-C36 Aliphatic Hydrocarbons	5.54677E+08	3.944746E+08	-6.4	30
n-Nonadecane	3.745961E+08	3.63589E+08	-2.9	30
n-Nonane	3.518477E+08	3.458807E+08	-1.7	30
n-Decane	3.529094E+08	3.497774E+08	-0.9	30
n-Dodecane	3.518164E+08	3.479554E+08	-1.1	30
n-Tetradecane	3.572305E+08	3.545342E+08	-0.8	30
n-Hexadecane	3.744608E+08	3.615686E+08	-3.4	30
n-Octadecane	3.788767E+08	3.650884E+08	-3.6	30
n-Eicosane	3.823902E+08	3.676734E+08	-3.8	30
n-Docosane	3.820764E+08	3.652868E+08	-4.4	30
n-Tetracosane	3.827095E+08	3.63945E+08	-4.9	30
n-Hexacosane	3.827387E+08	3.668876E+08	-4.1	30
n-Octacosane	3.778821E+08	3.65984E+08	-3.1	30
n-Triacontane	3.760388E+08	3.690949E+08	-1.8	30
n-Hexatriacontane	3.596146E+08	3.730074E+08	3.7	30

Notes and Definitions

D	Data reported from a dilution
E	This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QC5	Sample was originally analyzed within hold time; however, it was determined that positive interference was contributing to the sample result. The sample was reanalyzed at a dilution to eliminate the interference.
QCR	Sample data reported for QC purposes only.
QM10	LCS/LCSD were analyzed in place of MS/MSD.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR5	RPD out of acceptance range.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
R01	The Reporting Limit has been raised to account for matrix interference.
R02	Elevated Reporting Limits due to limited sample volume.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline - includes regular, unleaded, premium, etc.
Fuel Oil #2 - includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 - includes #4 fuel oil
Fuel Oil #6 - includes #6 fuel oil and bunker "C" oil
Motor Oil - includes virgin and waste automobile oil
Ligroin - includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel - includes kerosene, Jet A and JP-4
Other Oil - includes lubricating and cutting oil, and silicon oil

At times, the unidentified petroleum product is quantified using a calibration that most closely approximates the distribution of compounds in the sample. When this occurs, the result is qualified as Calculated as.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk
Rebecca Merz

✓ 3B64640 JT

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of _____

Special Handling: 5
- ☒ Standard TAT - ~~7 to 10~~ business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

BM

Report To: AECOM
500 Enterprise Drive
Rocky Hill, CT

Telephone #: 860 263 5800
Project Mgr. M. Beeler

Invoice To: Same

P.O. No.: 44175ACM RQN: _____

Project No.: 60225155
Site Name: Greenwich High School
Location: Greenwich State: CT
Sampler(s): MR / JT

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 11= ice 12= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

List preservative code below: 2 | 11 | 11 | 4 | 4 | 5 | 11 | 11

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☒
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs	ETPH	PAHs	CT RCP Metal	Na, Mg, Mn, Fe, Ca, K	Sulfide	Nitrate, sulfate, chloride, nitrite	carb + bi-carb alkalinity	State-specific reporting standards
64640-01	MW-AP11-021413-1	2/14/13	1545	G	GW	3	3		2	X	X	X	X	X	X	X	X	GWPC + SWPC
02	MW-AM16-021413-1	2/14/13	1500	G	GW	3	3		2	X	X	X	X	X	X	X	X	
03	MW-AV17-021413-1	2/14/13	1620	G	GW	3	3		2	X	X	X	X	X	X	X	X	
04	MW-AA12-021513-1	2/15/13	0800	G	GW	3	1		2	X		X	X	X	X			will run day on PAH only - limited volume
05	MW-AG30-021513-1	2/15/13	0930	G	GW	3	3		2	X	X	X	X	X	X	X	X	
06	Trip Blank	2/13/13			AQ	1				X								per client request

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	2-15-13	10:35	
[signature]	JLH	2/15/13	1420	0.4

☒ EDD Format equis
☒ E-mail to coilein.scott@aecom.com
malcolm.beeler@aecom.com

Condition upon receipt:
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen