



GE
Aviation

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Mr. Dean Yasuda
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Hazardous Waste and Toxics Reduction program
Northwest Regional Office
3190 160th Avenue S.E.
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October 14, 2013

Dear Mr. Yasuda:

Please find the attached the Semi-annual Groundwater Monitoring Report for the former GE Site on South Dawson Street, Seattle, WA. The report includes the results from the August 2013 groundwater sampling event.

Should you have any questions or concerns regarding the information presented in this letter or the attached memorandum, please do not hesitate to call me at (518) 862-2720 or Jason Palmer at (206) 403-4203.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Tom Antonoff'.

Tom Antonoff
Project Manager – Remediation

Attachment – Semi-annual Groundwater Monitoring Report: August 2013

cc:

Tong Li, Ground Water Solutions
Bill Teplicky, McKinstry (via e-mail)
Bill Joyce, Joyce Ziker Parkinson (via e-mail)
Tom Morin, EPI (via e-mail)
Linda Baker, Integral (via e-mail)
Jason Palmer, AECOM

August 2013 Groundwater Sampling Results

This Semi-annual Groundwater Monitoring Report discusses the sampling methods and results for the August 2013 sampling event at the former General Electric Aviation (GE) South Dawson Street site. All wells were sampled in accordance with the *Sampling and Analysis Plan – Revision 1* (SAP; ENSR, 2008), and the schedule presented in Attachment A of the June 30, 2010 Ecology letter.

Groundwater was collected and sampled from monitoring wells on and downgradient of the former GE facility on August 13, 2013 through August 15, 2013. The following table summarizes the monitoring wells and sample depths included in the sampling event.

	Shallow Wells	Intermediate Wells	Deep Wells
Former GE Building	MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8S, MW-13	MW-8M	None
Liberty Ridge Building	MW-10, MW-11, MW-12, EPI-MW-3S, EPI-MW-4S	MW-14M, MW-19M, MW-20M, EPI-MW-2D, EPI-MW-3D, EPI-MW-4D	MW-14D
Downgradient of 1st Avenue South	MW-21S	MW-15M, MW-16M, MW-17M, MW-18M	MW-15D, MW-16D, MW-17D, MW-18D

Groundwater Sampling Methods

Monitoring wells were sampled in accordance with the SAP using low-flow techniques,¹ pneumatic QED sampling pumps and sampling tubing, as described in the site SAP. Dedicated sampling equipment was used in all the wells.

Prior to sampling, water level measurements were collected from all wells on site. Water levels were evaluated to determine if the pump inlet location in any wells screened across the water table needed to be changed. The SAP requires that the pump inlet in water table wells be placed at approximately the midway point between the lowest measured historical groundwater level and the bottom of the screen.² To comply with the requirement, minor adjustments were made to the pump inlet of some wells during the August 2013 sampling event in response to changes in water levels. Table A-1 in Attachment A includes both depths and elevations of the pump inlets, required adjustments to the pump inlet elevations, and the elevation of the top and bottom of each monitoring well screen.

Monitoring well purging (using the pneumatic pumps) was then initiated at a rate of less than 300 milliliters per minute. As required with the low-flow sampling technique, turbidity, dissolved oxygen, and oxidation-reduction potential in the groundwater were monitored during purging of each well. The pH, specific conductance, and temperature were also monitored. Purge volumes were based on obtaining stability, as determined by having consecutive measurements at least

¹ EPA Ground Water Issue, *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*, April 1996. Prior to August 1998, GEAE wells MW-1 through MW-12 were sampled by hand bailing. The low flow sampling method decreases turbidity associated with other sampling methods and gives a more accurate assessment of dissolved constituent concentrations due to the reduction in disturbance of the water column during sampling.

² For wells where the screen does not intercept the water table, the pump inlet is placed midway along the screen interval.

three minutes apart being within ten percent of the previous measurement, except for conductivity and temperature which should be within three percent. Upon stabilization of parameters, the purge rate was reduced to approximately 200 milliliters per minute to collect samples. The samples were collected from the discharge tube of the pump and transferred into the appropriate sample containers. Finally, the samples were placed in a cooler with ice and delivered to the Analytical Resources, Inc. (Tukwila, Washington) laboratory under chain-of-custody procedures. Field sampling forms are included in Attachment B.

The semi-annual groundwater samples (specified in Attachment D) were analyzed for VOCs by EPA Method 8260. In addition, vinyl chloride, tetrachloroethylene (PCE), and trichloroethylene (TCE) were analyzed using Selective Ion Monitoring (SIM) by EPA Method 8260 modified. Laboratory analytical reports are included in Attachment C.

August 2013 Groundwater Results

All monitoring wells were gauged on August 13, 2013. Groundwater elevations are summarized in Table 1. Historic groundwater elevations are summarized in Attachment E, Table E-1. Shallow groundwater flow directions are shown on Figure 1. The overall site groundwater gradient was low (0.001 feet per foot). The flow direction was westerly under the 220 South Dawson Street site and downgradient properties. The groundwater gradients and flow direction are consistent with those measured from the previous sampling events.

The Site-Specific MTCA Method B Cleanup Levels that groundwater results are compared against are listed in Table 2. These cleanup levels were developed by GE and Ecology in 2012 as part of the draft Cleanup Action Plan (dCAP) and Consent Decree (CD) development. GE, based on recent discussions with Ecology, anticipates that both the dCAP and CD will be submitted for public comment in October 2013; therefore, the cleanup levels cited in those documents (and shown on Table 2) will now be used for comparison against groundwater results, replacing the previous 2009 cleanup levels.

Ecology has determined that shallow groundwater quality results, which include data from wells with screens extending from the water table to 20 feet bgs, shall be compared against the Shallow Site-Specific Cleanup Levels. These cleanup levels were developed to protect against the potential for shallow groundwater to adversely affect indoor air. Deeper groundwater data, which include results from all wells screened below 20 feet bgs, are compared to the Deeper Site-Specific Cleanup Levels, which are based on area-specific consumption of fish.

Groundwater results for the August 2013 and previous sampling events dating back to 2004, as well as the current cleanup levels, are summarized on Table 3. Historic (pre-2004) groundwater quality results are summarized in Attachment E, Table E-2, to facilitate presentation of the data. Figure 2 and Figure 3 show concentrations for selected constituents from 2008 to the present for shallow and intermediate/deep groundwater, respectively.

Figures 4 through 7 illustrate groundwater concentration isopleths for 1,1-Dichloroethylene (1,1-DCE) and TCE (those chemicals for which the site-specific cleanup levels are exceeded at one or more locations) for the current sampling event. These figures are divided into shallow and intermediate/deep zone wells to more clearly show the distribution of VOCs at various

depths in the aquifer. The wells are grouped into the shallow and intermediate/deep zones as follows:

- Shallow Wells – MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8S, MW-10, MW-11, MW-12, MW-13, MW-21S, EPI-MW-3S, and EPI-MW-4S are screened across the water table to a total depth of 15 to 20 feet bgs.
- Intermediate Wells – MW-8M, MW-14M, MW-15M, MW-16M, MW-17M, MW-18M, MW-19M, MW-20M, EPI-MW-2D, EPI-MW-3D, and EPI-MW-4D are screened 25 to 30 feet bgs.
- Deep Wells – MW-14D, MW-15D, MW-16D, MW-17D, and MW-18D are screened from 45 to 55 feet bgs.

VOC Results - Former GE Building

TCE was the only VOC detected above the current Site-Specific Cleanup Levels, as summarized in Table 3.

Detected TCE concentrations in groundwater from shallow monitoring wells ranged from 0.19 µg/L (MW-5) to 10 µg/L (MW-4), with concentrations exceeding the Shallow Site-Specific Cleanup Level of 6.6 µg/L in groundwater from wells MW-1 (8.2 µg/L), MW-4 (10 µg/L), and MW-8S (9.7 µg/L). TCE was not detected in intermediate/deep groundwater.

There were no other groundwater exceedances of the cleanup levels near the Former GE Building. The ranges of detected concentrations for other constituents of concern were:

- 1,1-DCE was only detected in shallow groundwater at well MW-4 (1.4µg/L), and in intermediate/deep groundwater at MW-8M (0.23µg/L).
- Detected PCE concentrations in groundwater from shallow monitoring wells ranged from 0.022 µg/L (MW-7) to 0.94 µg/L (MW-1); PCE was not detected in intermediate/deep groundwater.
- Detected 1,1,1-Trichloroethane (1,1,1-TCA) concentrations in groundwater from shallow monitoring wells ranged from 0.5 µg/L (MW-5) to 3.7 µg/L (MW-1); 1,1,1-TCA was not detected in intermediate/deep groundwater.
- Trans-1,2-Dichloroethylene (trans 1,2-DCE) was only detected in shallow groundwater at well MW-8S (0.21µg/L); trans 1,2-DCE was not detected in intermediate/deep groundwater.
- Detected cis-1,2-Dichloroethylene (cis 1,2-DCE) concentrations in groundwater from shallow monitoring wells ranged from 1.2 µg/L (MW-7) to 2.3 µg/L (MW-8S); cis 1,2-DCE was not detected in intermediate/deep groundwater.
- Vinyl chloride (VC) was not detected in shallow or intermediate/deep groundwater.

VOC Results - Liberty Ridge Building

TCE and 1,1-DCE were the only VOCs detected above the Site-Specific Cleanup Levels, as summarized in Table 3.

Detected TCE concentrations in groundwater from shallow monitoring wells ranged from 0.069 µg/L (MW-10) to 8.5 µg/L (MW-11), with concentrations exceeding the Shallow Site-Specific Cleanup Level of 6.6 µg/L in groundwater at monitoring well MW-11 (8.5 µg/L). Detected TCE concentrations in groundwater from intermediate/deep monitoring wells ranged from 0.045 µg/L (MW-19M) to 58 µg/L (MW-14M), with concentrations exceeding the Deeper Site-Specific Cleanup Level of 30 µg/L in groundwater at monitoring well MW-14M (58 µg/L).

Detected 1,1-DCE concentrations in groundwater from shallow monitoring wells ranged from 0.39 µg/L (EPI-MW-3S) to 0.93 µg/L (MW-11); no concentrations exceeded the Shallow Site-Specific Cleanup Level of 3.2 µg/L in groundwater. Detected 1,1-DCE concentrations in groundwater from intermediate/deep monitoring wells ranged from 0.82 µg/L (EPI-MW-3D) to 20 µg/L (EPI-MW-2D), with concentrations exceeding the Deeper Site-Specific Cleanup Level of 3.2 µg/L in groundwater at monitoring wells MW-14M (14 µg/L) and EPI-MW-2D (20 µg/L).

There were no other groundwater exceedances of the cleanup levels near the Liberty Ridge Building. The ranges of detected concentrations for other constituents of concern were:

- PCE was not detected in shallow or intermediate/deep groundwater.
- 1,1,1-TCA was not detected in shallow or intermediate/deep groundwater.
- Detected trans 1,2-DCE concentrations in groundwater from shallow monitoring wells ranged from 0.2 µg/L (EPI-MW-4S) to 7.2 µg/L (MW-11), and in intermediate/deep groundwater from 1.1 µg/L (EPI-MW-3D) to 66 µg/L (MW-14M).
- Detected cis 1,2-DCE concentrations in groundwater from shallow monitoring wells ranged from 2.7 µg/L (EPI-MW-4S) to 25 µg/L (MW-11), and in intermediate/deep groundwater from 0.46 µg/L (MW-20M) to 130 µg/L (MW-14M).
- Detected VC concentrations in groundwater from shallow monitoring wells ranged from 0.046 µg/L (EPI-MW-4S) to 0.28 µg/L (MW-11), and in intermediate/deep groundwater from 0.025 µg/L (EPI-MW-4D) to 1.6 µg/L (MW-14M, EPI-MW-2D).

VOC Results - Downgradient of 1st Avenue South

TCE was the only VOC detected above the current Site-Specific Cleanup Levels, as summarized in Table 3.

TCE was only detected in shallow groundwater at well MW-21S (1.4 µg/L), which did not exceed the Shallow Site-Specific Cleanup Level of 6.6 µg/L. TCE was detected in groundwater from intermediate/deep monitoring wells MW-15D (40 µg/L) and MW-15M (47 µg/L), both of which exceed the Deeper Site-Specific Cleanup Level of 30 µg/L.

There were no other groundwater exceedances of the cleanup levels downgradient of 1st Avenue South. The ranges of detected concentrations for other constituents of concern were:

- 1,1-DCE was not detected in shallow groundwater, but was detected in groundwater from intermediate/deep monitoring wells at MW-15M (0.73 µg/L) and MW-15D (0.97 µg/L).
- PCE was not detected in shallow or intermediate/deep groundwater.
- 1,1,1-TCA was not detected in shallow or intermediate/deep groundwater.
- trans 1,2-DCE was not detected in shallow groundwater, but was detected in groundwater from intermediate/deep monitoring wells at MW-15M (1.1 µg/L), MW-15D (3.2 µg/L), and MW-18M (0.35 µg/L).
- cis 1,2-DCE was only detected in shallow groundwater at well MW-21S (0.53 µg/L), and in groundwater from intermediate/deep monitoring wells at a range of 0.2 µg/L (MW-17M) to 64 µg/L (MW-15D).
- Vinyl chloride (VC) was not detected in shallow groundwater, but was detected in groundwater from intermediate/deep monitoring wells at MW-15M (0.056 µg/L), MW-15D (0.73 µg/L), and MW-18D (0.023 µg/L).

Data Validation Summary

The data validation report (Attachment C) presents an evaluation of precision, accuracy, method compliance (laboratory procedures and data management), and completeness of the data set. It includes a table of all qualified and/or rejected groundwater data results.

Precision, accuracy, method compliance, and completeness of the data set were determined to be acceptable for analytes included on Table 3. Other selected analytes with non-detect or unusable results are detailed on pages 10 and 12 of the Data Validation Report in Attachment C. They were qualified due to continuing calibrations and laboratory control sample recoveries outside of control limits. The analytes with qualified results are not the focus of the groundwater sampling program.

August 2013 Groundwater Monitoring Summary

This sampling event occurred more than 15 years after the installation of the groundwater extraction system. Results from the August 2013 sampling event are within the range of the previous sampling events. Groundwater concentrations exceeded the Site-Specific MTCA Method B Cleanup Levels as shown below.

Shallow TCE level of 6.6 µg/L:	MW-1, MW-4, MW-8S, and MW-11
Deeper TCE level of 30 µg/L:	MW-14M, MW-15M, and MW-15D
Deeper 1,1-DCE level of 3.2 µg/L:	MW-14M and EPI-MW-2D

Plans for the November 2013 Sampling Event

The next scheduled sampling event is planned for November 2013. This sampling will be a Quarterly event and will include designated wells on site, as listed in Attachment D, Table D-1. In addition to sampling, gaskets and bolts on the flush-mounted well monuments will continue to be cleaned and replaced as necessary.

Should you have any questions or concerns about the information presented in this letter report, please do not hesitate to call Tom Antonoff at (518) 862-2720 or Jason Palmer at (206) 403-4203.

References

Ecology 2010. Letter RE Ecology responses to proposed reduction in groundwater monitoring frequencies. State of Washington Department of Ecology, June 30, 2010.

ENSR 2008. Sampling and Analysis Plan – Revision 1. ENSR. February 2008.

Tables

Table 1. Well Gauging Data 2001 to Present (Historic Data in Attachment E)

Date	EPI-MW-2D		EPI-MW-3S		EPI-MW-3D		EPI-MW-4S		EPI-MW-4D	
	Depth to GW (feet)	GW Elevation (feet MLLW)	Depth to GW (feet)	GW Elevation (feet MLLW)	Depth to GW (feet)	GW Elevation (feet MLLW)	Depth to GW (feet)	GW Elevation (feet MLLW)	Depth to GW (feet)	GW Elevation (feet MLLW)
Reference Elevation: ¹	NS		NS		NS		NS		NS	
	18.83	⁶	19.41	⁶	19.38	⁶	19.33	⁶	19.33	⁶
02/20/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/24/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/27/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/05/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/21/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/23/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/14/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
12/03/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/26/2003	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/28/2003	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/20/2003	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/20/2003	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/23/2004	9.20	9.63	9.63	9.78	9.64	9.74	9.44	9.89	9.41	9.92
05/25/2004	² 10.09	8.74	10.55	8.86	10.58	8.80	10.42	8.91	10.38	8.95
08/25/2004	² 10.61	8.22	11.11	8.30	11.09	8.29	10.98	8.35	10.97	8.36
11/29/2004	² 10.73	8.10	11.20	8.21	11.21	8.17	11.07	8.26	11.07	8.26
02/28/2005	² 10.14	8.69	10.61	8.80	10.62	8.76	10.47	8.86	10.48	8.85
05/31/2005	² 9.91	8.92	10.38	9.03	10.40	8.98	10.22	9.11	10.23	9.10
08/08/2005	² 10.43	8.40	10.91	8.50	10.94	8.44	10.81	8.52	10.79	8.54
11/14/2005	² 10.60	8.23	11.09	8.32	11.09	8.29	10.95	8.38	10.95	8.38
02/06/2006	² 8.68	10.15	9.10	10.31	9.09	10.29	8.87	10.46	8.86	10.47
05/06/2006	² 9.88	8.95	10.36	9.05	10.38	9.00	10.25	9.08	10.25	9.08
08/14/2006	² 10.56	8.27	11.03	8.38	11.08	8.30	10.93	8.40	10.96	8.37
11/06/2006	² 10.60	8.23	11.07	8.34	11.09	8.29	10.91	8.42	10.91	8.42
02/19/2007	² 9.4	9.43	9.89	9.515	9.89	9.49	9.76	9.565	9.74	9.585
05/21/2007	² 10	8.83	10.49	8.915	10.52	8.86	10.38	8.945	10.37	8.955
08/13/2007	² 7.6	11.23	11.11	8.295	11.11	8.27	11	8.325	11.01	8.315
11/12/2007	³ 9.88	8.95	11.41	7.995	11.41	7.97	11.31	8.015	11.31	8.015
02/22/2008	² 10.02	8.81	10.5	8.905	10.51	8.87	10.37	8.955	10.4	8.925
04/28/2008	² 10.3	8.53	10.76	8.645	10.78	8.6	10.65	8.675	10.65	8.675
08/04/2008	³ 10.81	8.02	11.28	8.13	11.31	8.07	11.17	8.16	11.17	8.16
11/04/2008	² 11.09	7.74	11.57	7.835	11.6	7.78	11.45	7.875	11.47	7.855
02/02/2009	³ 10.1	8.73	10.59	8.815	10.6	8.78	10.46	8.865	10.47	8.855
05/12/2009	² 10.09	8.74	10.56	8.85	10.57	8.81	10.4	8.93	10.42	8.91
08/24/2009	² 10.87	7.96	11.36	8.05	11.35	8.03	11.23	8.10	11.23	8.10
08/24/2009	² 10.87	7.96	11.36	8.05	11.35	8.03	11.23	8.10	11.23	8.10
08/24/2009	² 10.87	7.96	11.36	8.05	11.35	8.03	11.23	8.10	11.23	8.10
11/10/2009	² 10.59	8.24	11.08	8.33	11.1	8.28	10.95	8.38	10.95	8.38
02/22/2010	² 9.25	9.58	9.71	9.70	9.72	9.66	9.58	9.75	9.58	9.75
05/26/2010	² 9.69	9.14	10.17	9.24	10.18	9.20	10.03	9.30	10.02	9.31
08/24/2010	² 10.38	8.45	10.86	8.55	10.88	8.50	10.76	8.57	10.77	8.56
11/29/2010	³ 10.03	8.8	10.52	8.885	10.54	8.84	10.38	8.945	10.39	8.935
02/28/2011	^{2,3} 8.92	9.91	9.41	10.00	9.43	9.95	9.24	10.09	9.24	10.09
05/16/2011	³ 8.83	10.00	9.29	10.12	9.3	10.08	9.1	10.23	9.11	10.22
08/09/2011	^{2,3} 9.88	8.95	10.39	9.02	10.41	8.97	10.26	9.07	10.26	9.07
11/29/2011	^{2,3} 10.17	8.66	10.66	8.75	10.69	8.69	10.54	8.79	10.56	8.77
02/14/2012	^{2,3} 9.72	9.11	10.21	9.20	10.22	9.16	10.07	9.26	10.07	9.26
05/15/2012	^{2,3} 9.38	9.45	9.84	9.57	9.85	9.53	9.72	9.61	9.73	9.60
07/31/2012	^{2,3} 9.95	8.88	10.45	8.96	10.47	8.91	10.32	9.01	10.34	8.99
11/14/2012	² 10.16	8.67	10.64	8.77	10.67	8.71	10.55	8.78	10.54	8.79
02/12/2013	² 9.10	9.73	9.57	9.84	9.59	9.79	9.43	9.90	9.44	9.89
05/22/2013	² 9.83	9.00	10.11	9.30	10.13	9.25	9.97	9.36	9.99	9.34
08/13/2013	² 10.38	8.45	10.87	8.54	10.89	8.49	10.75	8.58	10.76	8.57

Table 1. Well Gauging Data 2001 to Present (Historic Data in Attachment E)

Notes:

- 1 Measuring point is the top of PVC well casing. Elevations are measured using the City of Seattle datum; elevations were converted to Mean Lower Low Water NAVD88 Datum by adding the standard conversion of 9.7 feet to all City of Seattle elevations.
 - 2 Measurements collected in the AM.
 - 3 Measurements collected in the PM.
 - 4 Casing was adjusted during well protector replacement and resurveyed on January 5, 2001. The new elevation is used beginning with the August 2001 sample event. Values converted to Mean Lower Low Water NAVD 88.
 - 5 All wells surveyed on August 25, 2003. Elevations are measured using the Mean Lower Low Water NAVD 88 Datum.
 - 6 Liberty Ridge Wells surveyed on June 16, 2004. Elevation are measured using the Mean Lower Low Water NAVD 88 Datum.
 - 7 Wells surveyed on February 15, 2005. Elevation are measured using the Mean Lower Low Water NAVD 88 Datum.
 - 8 MW-6 was not measured due to cars parked over the well for the duration of the sampling event.
 - 9 Monitoring wells installed on September 2005, surveyed in November. Elevations are measured using MLLW NAVD 88 Datum.
 - 10 MW-18D was resurveyed in September 2005; groundwater elevations have been corrected based on the corrected survey elevation.
- NM - Not Measured
NS - Not Surveyed

Table 2. Site-Specific MTCA Method B Cleanup Levels

Analyte	Shallow Site-Specific MTCA Method B (µg/L)	Deeper Site-Specific MTCA Method B (µg/L)
Trichloroethylene	6.6	30
Tetrachloroethylene	3.3	3.3
Vinyl Chloride	1	2.4
cis-1,2 dichloroethylene	590	450
trans 1,2 dichloroethylene	163	590
1,1-Dichloroethylene	3.2	3.2
1,1,1-Trichloroethane	11	11
1,4-Dioxane	69	69
Arsenic	5	5
TPH-Heavy Oil Range	500	500
TPH-Diesel Range	500	500
Point of Compliance	Water table to 20 feet bgs	Below 20 feet bgs

Notes:

Cleanup Levels from draft Cleanup Action Plan and Consent Decree.

µg/L – micrograms per liter.

bgs – below ground surface.

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-1	MW-1-0204	02/23/2004	0.39 b	< 1.0	< 1.0	4.3 b	110	34	< 0.020 b
(Shallow)	MW-1-0504	05/25/2004	0.20 b	< 0.2	< 0.2	3.7 b	53	26	< 0.020 b
	MW-1-0804	08/25/2004	0.13 b	< 0.6	< 0.6	1.9 b	22	10	< 0.020 b
	MW-1-1104	11/29/2004	0.089 b	< 0.6	< 0.6	1.7	17	7.8	< 0.020 b
	MW-1-0205	02/28/2005	0.17 b	< 1.0	< 1	2.4 b	42	18	< 0.020 b
	MW-1-0805	08/08/2005	0.14 b	< 1.0	< 1	2 b	29	18	< 0.020 b
	MW-1-1105	11/17/2005	0.12 b	< 0.6	< 0.6	1.8	24	11	< 0.020 b
	MW-1-0206	02/06/2006	< 1.0	< 1.0	< 1	4.6 b	93	26	< 0.020 b
	MW-1-0506	05/16/2006	< 1.0	< 1.0	< 1	4.6	110	25	< 0.020 b
	MW-1-0806	08/18/2006	< 1.0	< 1.0	< 1	2.4	38	18	< 0.020 b
	MW-1-0207	02/19/2007	< 2.0	< 2.0	< 2.0	4.9 b	79	17	< 0.020 b
	MW-1-0807	08/17/2007	< 1.0	< 1.0	< 1.0	2.5	40	22	< 0.020 b
	MW-1-0208	02/20/2008	< 0.2	< 0.2	< 0.4	2.6 b	50	25	< 0.020 b
	MW-1-0808	08/06/2008	< 0.2	< 0.2	< 0.2	1.7 b	23	17	< 0.020 b
	MW-100-0808 (Dup)	08/06/2008	< 0.2	< 0.2	< 0.2	1.8 b	24	17	< 0.020 b
	MW-1-0209	02/04/2009	0.5 J	< 0.2 J	26 J	1.8 b	7.3 J	0.2 UJ	< 0.020 b
	MW-100-0209 (Dup)	02/04/2009	1.2 J	6.5 J	0.2 J	1.9 b	32 J	6.4 J	< 0.020 b
	MW-1-0809	08/25/2009	< 0.2	< 0.2	< 0.2	1.1 Jb	17	8.0	< 0.020 UJb
	MW-100-0809 (Dup)	08/25/2009	< 0.2	< 0.2	< 0.2	1.1 b	16	9.5	< 0.020 b
	MW-1-0210	02/23/2010	0.6	< 0.2	0.3	2.4 b	48	9.8	< 0.020 b
	MW-100-0210 (Dup)	02/23/2010	0.7	< 0.2	0.3	2.2 b	48	9.9	< 0.020 b
	MW-1-0810	08/25/2010	< 0.2	< 0.2	< 0.2	1.3 Jb	13	5.8	< 0.020 Jb
	MW-100-0810 (Dup)	08/25/2010	< 0.2	< 0.2	< 0.2	1.3 Jb	14	5.4	< 0.020 Jb
	MW-1-1110	11/30/2010	< 0.2	< 0.2	< 0.2	1.6 b	20	4.2	< 0.020 b
	MW-1-0211	03/01/2011	< 0.2	< 0.2	< 0.2	2.5 b	49	10	< 0.020 b
	MW-1-0511	05/17/2011	< 0.2	< 0.2	0.2	2.3 b	62	15	< 0.020 b
	MW-1-0811	08/11/2011	< 0.2	< 0.2	< 0.2	1.5 b	19	5.7	< 0.020 b
	MW-1-1111	11/30/2011	0.2	< 0.2	< 0.2	1.0 b	7.8	3.8	< 0.020 b
	MW-100-1111 (Dup)	11/30/2011	0.2	< 0.2	< 0.2	1.1 b	8.4	3.9	< 0.020 b
	MW-1-0212	02/15/2012	< 0.2	< 0.2	< 0.2	1.4 b	17	4.6	< 0.020 b
	MW-100-0212 (Dup)	02/15/2012	< 0.2	< 0.2	< 0.2	1.4 b	16	4.2	< 0.020 b
	MW-1-0512	05/16/2012	< 0.2	< 0.2	< 0.2	1.5 b	27	8.9	< 0.020 b
	MW-1-0812	07/31/2012	< 0.2	< 0.2	< 0.2	0.90 b	11	5.0	< 0.020 b
	MW-100-0812 (Dup)	07/31/2012	< 0.2	< 0.2	< 0.2	0.96 b	11	5.1	< 0.020 b
	MW-1-1112	11/14/2012	< 0.2	< 0.2	< 0.2	0.94 b	6.8	3.2	< 0.020 b
	MW-1-0213	02/12/2013	0.35	< 0.20	< 0.20	1.8 b	28	7.6	< 0.020 b
	MW-100-0213 (Dup)	02/12/2013	0.36	< 0.20	< 0.20	1.7 b	28	7.3	< 0.020 b
	MW-1-0513	05/23/2013	0.20	< 0.20	< 0.20	1.9 b	25	7.1	< 0.020 b
	MW-1-0813	08/14/2013	< 0.20	< 0.20	< 0.2	0.94 b	8.2	3.7	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
MW-2	MW-2-0204	02/24/2004	< 0.020 b	< 0.2	< 0.2	0.24 b	3.4	< 0.2	< 0.020 b
(Shallow)	MW-2-0804	08/27/2004	< 0.020 b	< 0.2	0.4	0.15 b	3.9	< 0.2	< 0.020 b
	MW-2-0205	02/28/2005	< 0.020 b	< 0.2	< 0.2	0.11 b	2.8	< 0.2	< 0.020 b
	MW-2-0206	02/08/2006	< 0.2	< 0.2	< 0.2	0.13 b	2.5 b	< 0.2	< 0.020 b
	MW-2-0207	02/23/2007	< 0.2	< 0.2	< 0.2	0.21 b	3.0 b	< 0.2	< 0.020 b
	MW-2-0208	02/21/2008	< 0.2	< 0.2	< 0.2	0.16 b	2.4	< 0.2	< 0.020 b
	MW-2-0209	02/04/2009	< 0.2	< 0.2	< 0.2	0.14 b	2.5 b	< 0.2	< 0.020 b
	MW-2-0210	02/24/2010	< 0.2	< 0.2	< 0.2	0.16 b	2.7 b	< 0.2	< 0.020 b
	MW-2-0211	03/01/2011	< 0.2	< 0.2	< 0.2	0.14 b	2.2 b	< 0.2	< 0.020 b
	MW-2-0212	02/16/2012	< 0.2	< 0.2	< 0.2	0.11 b	1.9 b	< 0.2	< 0.020 b
	MW-2-0213	02/12/2013	< 0.20	< 0.20	< 0.20	0.12 b	1.9 b	< 0.20	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-3	MW-3-0204	02/24/2004	0.028 b	< 0.2	< 0.2	< 0.020 b	0.4	< 0.2	< 0.020 b
(Shallow)	MW-25-0204 (Dup)	02/24/2004	0.027 b	< 0.2	< 0.2	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-3-0804	08/25/2004	0.032 b	< 0.2	< 0.2	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-30-0804 (Dup)	08/25/2004	0.024 b	< 0.2	< 0.2	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-3-0205	03/02/2005	0.024 b	< 0.2	< 0.2	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-3-0805	08/09/2005	0.023 b	< 0.2	< 0.2	< 0.020 b	0.3	< 0.2	< 0.020 b
	MW-3-0206	02/07/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	0.75 b	< 0.2	< 0.020 b
	MW-3-0806	08/17/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	0.37 b	< 0.2	< 0.020 b
	MW-3-0207	02/19/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	0.66 b	< 0.2	< 0.020 b
	MW-3-0807	08/13/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	0.34 b	< 0.2	< 0.020 b
	MW-3-0208	02/20/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	0.033 b	< 0.2	< 0.020 b
	MW-3-0808	08/06/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	0.40 b	< 0.2	< 0.020 b
	MW-3-0209	02/02/2009	1.4	< 0.2	< 0.3	< 0.020 b	0.37 b	6.5	< 0.020 b
	MW-3-0809	08/25/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	0.32 b	< 0.2	< 0.020 b
	MW-3-0210	02/24/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	0.55 b	< 0.2	< 0.020 b
	MW-3-0810	08/25/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	0.37 Jb	< 0.2	< 0.020 b
	MW-3-0211	03/01/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	0.66 b	< 0.2	< 0.020 b
	MW-3-0811	08/11/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	0.65 b	< 0.2	< 0.020 b
	MW-3-0212	02/16/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	0.51 b	< 0.2	< 0.020 b
	MW-3-0812	07/31/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	0.58 b	< 0.2	< 0.020 b
	MW-3-0213	02/13/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	0.75 b	< 0.20	< 0.020 b
	MW-3-0813	08/13/2013	< 0.2	< 0.2	< 0.2	< 0.02 b	0.5 b	< 0.2	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-4	MW-4-0204	02/24/2004	3.1 b	< 1.0	< 1.0	4.0 b	98	20	0.043 b
(Shallow)	MW-4-0504	05/25/2004	3.8 b	< 0.2	< 0.2	2.6 b	48	12	0.028 b
	MW-4-0804	08/25/2004	3.8 b	< 1.0	< 1.0	3.1 b	55	15	0.053 b
	MW-4-1104	11/29/2004	3 b	< 1.0	< 1.0	2.1	34	9	0.033 b
	MW-4-0205	02/28/2005	1.8 b	< 1.0	< 1.0	2.3 b	57	17	< 0.020 b
	MW-4-0505	05/31/2005	3.9 b	< 1.0	< 1	1.9 b	33	13	0.036 b
	MW-4-0805	08/08/2005	2.7 b	< 0.6	< 0.6	2 b	33	15	0.04 b
	MW-4-1105	11/14/2005	3.4	< 0.6	< 0.6	2.3	40	12	0.032 b
	MW-4-0206	02/06/2006	2.8	< 1.0	< 1	2.3 b	32	14	0.037 b
	MW-4-0506	05/16/2006	3.8	< 0.6	< 0.6	1.6 b	28	12	0.026 b
	MW-4-0806	08/18/2006	2.5	< 1.0	< 1	1.5 b	22	11	0.024 b
	MW-40-0806 (Dup)	08/18/2006	2.4	< 1.0	< 1	1.6 b	22	10	0.024 b
	MW-4-1106	11/07/2006	2.4	< 1.0	< 1	1.3 b	20	9	< 0.020 b
	MW-4-0207	02/20/2007	3.2	< 1.0	< 1.0	1.4 b	20	6.4	< 0.020 b
	MW-D4-0507	05/21/2007	3.2	< 0.2	< 0.2	1.2 b	17	5.4	0.027 b
	MW-4-0807	08/14/2007	3.1	< 0.2	< 0.2	1.3 J	17	9.1	0.032 J
	MW-4-1107	11/13/2007	2.1	< 0.6	< 0.6	1.7	29 b	15	0.031 b
	MW-4-0208	02/21/2008	2.4	< 0.2	0.4 J	2.5 b	51 bJ	25	0.021 b
	DUP-3-0208 (Dup)	02/21/2008	2.9	< 0.2	< 2.0 UJ	2.4 b	47 bJ	47	0.022 b
	MW-4-0508	05/06/2008	2.2	< 0.2	0.2	1.9 J	32	16	0.024 Jb
	MW-4-0808	08/07/2008	2.3	< 0.2	0.2	1.3 b	20	11	0.046 b
	MW-4-1108	11/05/2008	3.9 J	< 0.2	< 0.2	0.96 b	15 J	8.3 J	0.038 b
	MW-4-0209	02/04/2009	4.4	< 0.2	0.2	1.3 b	22	11	0.043 b
	MW-400-0209 (Dup)	02/04/2009	4.2	< 0.2	0.2	1.5 b	23	11	0.041 b
	MW-4-0509	05/13/2009	2.7	< 0.2	< 0.2	0.72 b	13	6.3	0.042 b
	MW-400-0509 (Dup)	05/13/2009	3.1	< 0.2	< 0.2	0.74 b	14	6.6	0.042 b
	MW-4-0809	08/25/2009	1.9	< 0.2	< 0.2	0.73 Jb	14	7.1	0.032 Jb
	MW-40-0809 (Dup)	08/25/2009	2.0	< 0.2	< 0.2	0.73 Jb	14	7.1	0.038 Jb
	MW-4-1109	11/11/2009	1.8	< 0.2	< 0.2	1.0 b	18 Jb	4.2	0.023 b
	MW-400-1109 (Dup)	11/11/2009	2.0	< 0.2	< 0.2	1.1 b	16	4.9	0.022 b
	MW-4-0210	02/25/2010	1.8	< 0.2	< 0.2	0.50 b	7.1	1.4	< 0.020 b
	MW-400-0210 (Dup)	02/25/2010	1.9	< 0.2	< 0.2	0.49 b	7.7	1.7	< 0.020 b
	MW-4-0510	05/27/2010	2.1	< 0.2	< 0.2	0.88 b	17	6.9	0.029 b
	MW-400-0510 (Dup)	05/27/2010	2.2	< 0.2	< 0.2	0.88 b	17	7.3	0.031 b
	MW-4-0810	08/26/2010	1.8	< 0.2	< 0.2	0.66 Jb	12	5.6	< 0.020 b
	MW-4-1110	12/01/2010	1.7	< 0.2	< 0.2	0.70 b	11	4.3	< 0.020 b
	MW-400-1110 (Dup)	12/01/2010	1.7	< 0.2	< 0.2	0.65 b	11	4.4	< 0.020 b
	MW-4-0211	03/03/2011	1.3	< 0.2	< 0.2	0.52 b	8.5	3.2	< 0.020 b
	MW-40-0211 (Dup)	03/03/2011	1.4	< 0.2	< 0.2	0.53 b	8.7	3.0	< 0.020 b
	MW-4-0511	05/17/2011	1.4	< 0.2	< 0.2	0.51 b	10	3.3	< 0.020 b
	MW-400-0511 (Dup)	05/17/2011	1.6	< 0.2	< 0.2	0.52 b	10	3.4	< 0.020 b
	MW-4-0811	08/11/2011	1.6	< 0.2	< 0.2	0.36 b	7.0	2 J	< 0.020 b
	MW-400-0811 (Dup)	08/11/2011	1.6	< 0.2	< 0.2	0.42 b	8.3	2.8 J	< 0.020 b
	MW-4-1111	11/30/2011	1.3	< 0.2	< 0.2	0.83 b	14	6.1	< 0.020 b
	MW-400-0212 (Dup)	02/16/2012	0.8	< 0.2	< 0.2	0.6 b	9.8	3.6	< 0.020 b
	MW-4-0212	02/16/2012	0.8	< 0.2	< 0.2	0.6 b	9.8	3.6	< 0.020 b
	MW-400-0512 (Dup)	05/16/2012	1.3	< 0.2	< 0.2	0.57 b	11	3.3	< 0.020 b
	MW-4-0512	05/16/2012	1.1	< 0.2	< 0.2	0.53 b	11	3.3	< 0.020 b
	MW-4-0812	08/01/2012	1.3	< 0.2	< 0.2	0.56 b	11	2.9	< 0.020 b
	MW-400-0812 (Dup)	08/01/2012	1.3	< 0.2	< 0.2	0.55 b	11	2.7	< 0.020 b
	MW-4-1112	11/15/2012	1.1	< 0.2	< 0.2	0.70 b	12	4.7	< 0.020 b
	MW-400-1112 (Dup)	11/15/2012	1.1	< 0.2	< 0.2	0.66 b	11	4.4	< 0.020 b
	MW-4-0213	02/14/2013	0.88	< 0.20	< 0.20	0.50 b	6.8	2.1	< 0.020 b
	MW-400-0213 (Dup)	02/14/2013	0.93	< 0.20	< 0.20	0.50 b	6.7	2.1	< 0.020 b
	MW-4-0513	05/23/2013	0.88	< 0.20	< 0.20	0.66 b	8.7	2.7	< 0.020 b
	MW-400-0513 (dup)	05/23/2013	0.94	< 0.20	< 0.20	0.65 b	8.8	2.8	< 0.020 b
	MW-4-0813	08/15/2013	1.4	< 0.2	< 0.2	0.64 b	10	3.3	< 0.02 b
	MW-400-0813 (dup)	08/15/2013	1.4	< 0.2	< 0.2	0.61 b	10	3.5	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-5	MW-5-0204	02/24/2004	0.042 b	< 0.2	< 0.2	0.45 b	2.0	8.0	< 0.020 b
(Shallow)	MW-5-0804	08/25/2004	< 0.020 b	< 0.2	< 0.2	0.21 b	0.7	1.8	< 0.020 b
	MW-5-0205	02/28/2005	< 0.020 b	< 0.2	< 0.2	0.15 b	0.6	2.3	< 0.020 b
	MW-5-0805	08/09/2005	< 0.020 b	< 0.2	< 0.2	0.16 b	0.6	2.4	< 0.020 b
	MW-5-0206	02/07/2006	< 0.2	< 0.2	< 0.2	0.39 b	2.8 b	7.7	< 0.020 b
	MW-5-0806	08/18/2006	< 0.2	< 0.2	< 0.2	0.28 b	0.79 b	1.2	< 0.020 b
	MW-5-0207	02/23/2007	< 0.2	< 0.2	< 0.2	0.56 b	2.5 b	7.1	< 0.020 b
	MW-5-0807	08/17/2007	< 0.2	< 0.2	< 0.2	0.22 b	0.70 b	1.7	< 0.020 b
	MW-5-0208	02/20/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	0.41 b	4.1	< 0.020 b
	MW-5-0808	08/06/2008	< 0.2	< 0.2	< 0.2	0.15 b	0.47 b	1.2	< 0.020 b
	MW-5-0209	02/04/2009	0.3	< 0.2	< 0.2	0.28 b	0.83 b	1.4	< 0.020 b
	MW-5-0809	08/25/2009	< 0.2	< 0.2	< 0.2	0.22 b	0.57 b	1.3	< 0.020 b
	MW-5-0210	02/23/2010	< 0.2	< 0.2	< 0.2	0.26 b	0.66 b	1.8	J < 0.020 b
	MW-5-0810	08/25/2010	< 0.2	< 0.2	< 0.2	0.14 Jb	0.32 Jb	0.7	< 0.020 b
	MW-5-0211	03/02/2011	< 0.2	< 0.2	< 0.2	0.23 b	0.49 b	1.4	< 0.020 b
	MW-5-0811	08/11/2011	< 0.2	< 0.2	< 0.2	0.16 b	0.37 b	1.1	< 0.020 b
	MW-5-0212	02/16/2012	< 0.2	< 0.2	< 0.2	0.15 b	0.26 b	0.6	< 0.020 b
	MW-50-0212 (Dup)	02/16/2012	< 0.2	< 0.2	< 0.2	0.15 b	0.27 b	0.6	< 0.020 b
	MW-5-0812	07/31/2012	< 0.2	< 0.2	< 0.2	0.12 b	0.22 b	0.44	< 0.020 b
	MW-5-0213	02/12/2013	< 0.20	< 0.20	< 0.20	0.20 b	0.43 b	1.5	< 0.020 b
	MW-5-0813	08/14/2013	< 0.2	< 0.2	< 0.2	0.13 b	0.19 b	0.5	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
MW-6	MW-6-0204	02/25/2004	0.42 b	< 0.2	< 0.2	0.057 b	3.0	< 0.2	0.030 b
(Shallow)	MW-6-0504	05/25/2004	0.29 b	< 0.2	< 0.2	0.04 b	3.1	0.4	0.056 b
	MW-6-0804	08/25/2004	0.26 b	< 0.2	< 0.2	0.032 b	2.8	0.3	0.081 b
	MW-6-1104	11/30/2004	0.3	< 0.2	< 0.2	0.04 b	2.6	0.3	0.045 b
	MW-6-0205	02/28/2005	0.18 b	< 0.2	< 0.2	0.024 b	2.7	0.3	0.032 b
	MW-6-0805	08/09/2005	0.16 b	< 0.2	< 0.2	0.03 b	2.3	0.2	0.022 b
	MW-6-1105	11/17/2005	0.12 b	< 0.2	< 0.2	0.026 b	2.1	< 0.2	< 0.020 b
	MW-6A-1105 (Dup)	11/17/2005	0.13 b	< 0.2	< 0.2	0.025 b	2	< 0.2	< 0.020 b
	MW-6-0206	02/07/2006	< 0.2	< 0.2	< 0.2	0.024 b	2.1 b	0.2	< 0.020 b
	MW-6-0806	08/17/2006	< 0.2	< 0.2	< 0.2	0.027 b	1.7 b	< 0.2	< 0.020 b
	MW-6-0207	02/20/2007	< 0.2	< 0.2	< 0.2	0.032 b	1.9 b	< 0.2	< 0.020 b
	MW-6-0807	08/16/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	1.2 b	< 0.2	< 0.020 b
	MW-6-0208	02/20/2008	< 0.2	< 0.2	< 0.2	0.28 b	1.2	< 0.2	< 0.020 b
	MW-6-0808	08/07/2008	< 0.2	< 0.2	< 0.2	0.022 b	1.1 b	< 0.2	< 0.020 b
	MW-6-0209	02/02/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	0.72 b	< 0.2	< 0.020 b
	MW-6-0809	08/25/2009	< 0.2	< 0.2	0.2	< 0.020 b	0.56 b	< 0.2	0.022 b
	MW-6-0210	02/22/2010	< 0.2	< 0.2	0.2	< 0.020 b	0.66 b	< 0.2	< 0.020 b
	MW-6-0810	08/25/2010	< 0.2	< 0.2	0.3	< 0.020 b	0.55 Jb	< 0.2	< 0.020 b
	MW-6-0211	03/01/2011	< 0.2	< 0.2	0.2	< 0.020 b	0.79 b	< 0.2	< 0.020 b
	MW-6-0811	08/11/2011	< 0.2	< 0.2	< 0.2	0.021 b	1.0 b	< 0.2	< 0.020 b
	MW-6-0212	02/15/2012	< 0.2	< 0.2	0.2	< 0.020 b	0.78 b	< 0.2	< 0.020 b
	MW-6-0812	07/31/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	0.58 b	< 0.2	< 0.020 b
	MW-6-0213	02/12/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	0.80 b	< 0.20	< 0.020 b
	MW-6-0813	08/13/2013	< 0.2	< 0.2	< 0.2	< 0.02 b	0.54 b	< 0.2	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-7	MW-7-0204	02/24/2004	1.1 b	< 0.2	4.4	< 0.020 b	3.9	< 0.2	0.046 b
(Shallow)	MW-7-0504	05/24/2004	0.59 b	< 0.2	7.5	0.046 b	8.4	< 0.4	0.030 b
	MW-7-0804	08/25/2004	0.49 b	< 0.2	1.2	< 0.020 b	4	< 0.2	< 0.020 b
	MW-7-1104	11/29/2004	0.40	< 0.2	0.8	< 0.020 b	3.2	< 0.2	< 0.020 b
	MW-7-0205	03/02/2005	0.63 b	< 0.2	5.2	< 0.020 b	6.2	< 0.2	0.025 b
	MW-7-0805	08/09/2005	0.44 b	< 0.2	5.7	0.023 b	7	< 0.2	0.020 b
	MW-7-1105	11/17/2005	0.30	< 0.2	0.5	< 0.020 b	3.8	< 0.2	< 0.020 b
	MW-7-0206	02/08/2006	0.20	< 0.2	0.5	< 0.020 b	3.2 b	< 0.2	< 0.020 b
	MW-7-0806	08/17/2006	0.20	< 0.2	3.2	< 0.020 b	4.7	< 0.2	< 0.020 b
	MW-7-0207	02/20/2007	< 0.2	< 0.2	0.8	0.024 b	3.1 b	< 0.2	< 0.020 b
	MW-7-0807	08/17/2007	0.2	< 0.2	2.0	< 0.020 b	4.8 b	< 0.2	< 0.020 b
	MW-7-0208	02/21/2008	0.5	< 0.2	3.4	< 0.020 b	4.6	< 0.2	< 0.020 b
	MW-7-0808	08/07/2008	0.2	< 0.2	3.3	< 0.020 b	5.3	< 0.2	< 0.020 b
	MW-7-0209	02/05/2009	< 0.2	< 0.2	1.8	< 0.020 b	3.6 b	< 0.2	< 0.020 b
	MW-7-0809	08/26/2009	< 0.2	< 0.2	1.4	< 0.020 b	3.5	< 0.2	< 0.020 b
	MW-7-0210	02/25/2010	< 0.2	< 0.2	1.0	< 0.020 b	2.9 b	< 0.2	< 0.020 b
	MW-7-0810	08/26/2010	< 0.2	< 0.2	2.5	0.020 b	4.9	< 0.2	< 0.020 b
	MW-7-0211	03/02/2011	< 0.2	< 0.2	0.4	< 0.020 b	2.6 b	< 0.2	< 0.020 b
	MW-7-0811	08/11/2011	< 0.2	< 0.2	2.0	< 0.020 b	5.0	< 0.2	< 0.020 b
	MW-7-0212	02/15/2012	< 0.2	< 0.2	0.2	< 0.020 b	1.5 b	< 0.2	< 0.020 b
	MW-7-0812	07/31/2012	< 0.2	< 0.2	1.2	< 0.020 b	3.3 b	< 0.2	< 0.020 b
	MW-7-0213	02/13/2013	< 0.20	< 0.20	0.95	< 0.020 b	3.2 b	< 0.20	< 0.020 b
	MW-7-0813	08/13/2013	< 0.2	< 0.2	1.2	0.022 b	3.2 b	< 0.2	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-8S* (Shallow)	MW-8-0204	02/24/2004	0.88 b	1.2	27	0.11 b	42	5.4	0.020 b
	MW-8-0504	05/25/2004	1.20 b	0.9	20	0.068 b	30	2.7	0.031 b
	MW-8-0804	08/27/2004	0.92 b	0.6	14	0.027 b	18	0.9	0.049 b
	MW-8-1104	11/30/2004	1.1	0.5	12	0.031 b	19	0.5	0.035 b
	MW-8-0205	02/28/2005	0.58 b	0.5	12	0.037 b	24	0.9	0.033 b
	MW-8-0505	05/31/2005	0.4	0.4	6.5	0.037 b	17	0.6	< 0.020 b
	MW-8-0805	08/09/2005	0.5 b	0.6	12	0.042 b	21	0.6	0.033 b
	MW-8S-1105	11/14/2005	0.7	0.6	12	< 0.020 b	12	< 0.2	0.04 b
	MW-8S-0206	02/07/2006	< 0.6	< 0.6	3.3	0.056 b	24	1	< 0.020 b
	MW-8S-0506	05/16/2006	< 0.6	< 0.6	5.4	0.057 b	21	< 0.6	< 0.020 b
	MW-8S-0806	08/17/2006	0.3	0.3	6.5	< 0.020 b	10	< 0.2	< 0.020 b
	MW-8S-1106	11/07/2006	< 0.2	< 0.2	0.8	< 0.020 b	1.4 b	< 0.2	< 0.020 b
	MW-8S-0207	02/20/2007	< 0.2	< 0.2	1.4	0.084 b	20	0.6	< 0.020 b
	MW-8S-0507	05/21/2007	< 0.2	0.3	4.4	0.084 b	24	0.6	< 0.020 b
	MW-8S-0807	08/14/2007	< 0.4	< 0.4	4.3	< 0.020 b	7.9	< 0.4	0.020 b
	MW-8S-1107	11/12/2007	0.2	0.2	5.1	< 0.020 b	6.3 b	< 0.2	< 0.020 b
	MW-8S-0208	02/22/2008	0.3	0.4	7.4	0.024 b	11	< 0.2	0.030 b
	MW-8S-0508 ⁹	05/19/2008	< 0.2	0.2	4.1	< 0.020 b	5.4 bJ	< 0.2	< 0.020 b
	MW-8S-0808	08/06/2008	< 0.2	< 0.2	4.0	< 0.020 b	5.2	< 0.2	< 0.020 b
	MW-8S-1108	11/04/2008	0.2 J	0.2 J	4.6 J	< 0.020 b	4.7 J	< 0.2	< 0.020 b
	MW-8S-0209	02/02/2009	< 0.2	0.2	2.4	0.063 b	18	0.3	< 0.020 b
	MW-8S-0509	05/12/2009	< 0.2	0.2	2.8	0.032 b	12	0.2	< 0.020 b
	MW-8S-0809	08/25/2009	< 0.2	< 0.2	2.3	< 0.020 b	3.7	< 0.2	< 0.020 b
	MW-8S-1109	11/11/2009	< 0.2	< 0.2	1.4	< 0.020 b	1.8 b	< 0.2	< 0.020 b
	MW-8S-0210	02/22/2010	< 0.2	< 0.2	0.6	0.049 b	13	0.3 J	< 0.020 b
	MW-8S-0510	05/26/2010	< 0.2	< 0.2	0.5	0.057 b	15	0.3	< 0.020 b
	MW-8S-0810	08/25/2010	< 0.2	< 0.2	1.6	< 0.020 b	3.5	< 0.2	< 0.020 b
	MW-8S-1110	11/30/2010	< 0.2	< 0.2	0.5	< 0.020 b	2.4 b	< 0.2	< 0.020 b
	MW-80S-1110 (Dup)	11/30/2010	< 0.2	< 0.2	0.4	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8S-0211	03/01/2011	< 0.2	< 0.2	0.3	0.029 b	6.8	< 0.2	< 0.020 b
	MW-8S-0511	05/17/2011	< 0.2	< 0.2	0.3	0.032 b	9.5	< 0.2	< 0.020 b
	MW-8S-0811	08/11/2011	< 0.2	< 0.2	0.5	0.038 b	12	< 0.2	< 0.020 b
	MW-80S-0811 (Dup)	08/11/2011	< 0.2	< 0.2	0.6	0.039 b	10	< 0.2	< 0.020 b
	MW-8S-1111	11/30/2011	< 0.2	< 0.2	0.7	< 0.020 b	4.1	< 0.2	< 0.020 b
	MW-8S-0212	02/15/2012	< 0.2	< 0.2	0.5	0.030 b	8.0	< 0.2	< 0.020 b
	MW-8S-0512	05/16/2012	< 0.2	< 0.2	0.3	0.033 b	9.3	< 0.2	< 0.020 b
	MW-8S-0812	07/31/2012	< 0.2	< 0.2	0.48	0.032 b	9.3	< 0.2	< 0.020 b
	MW-8S-1112	11/15/2012	< 0.2	< 0.2	0.45	0.024 b	5.6	< 0.2	< 0.020 b
	MW-8S-0213	02/12/2013	< 0.20	< 0.20	0.25	0.041 b	7.3	< 0.20	< 0.020 b
	MW-8S-0513	05/23/2013	< 0.20	< 0.20	0.36	0.043 b	8.3	< 0.20	< 0.020 b
	MW-8S-0813	08/13/2013	< 0.2	0.21	2.3	0.029 b	9.7	< 0.2	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-8M*	MW-8M-1105	11/14/2005	2.5	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.043 b
(Intermediate)	MW-8M-0206	02/07/2006	1.7	< 0.2	< 0.2	< 0.020 b	0.027 b	< 0.2	< 0.020 b
	Dup-1-0206 (Dup)	02/07/2006	1.7	< 0.2	< 0.2	< 0.020 b	0.027 b	< 0.2	< 0.020 b
	MW-8M-0506	05/16/2006	1.5	< 0.2	< 0.2	< 0.020 b	0.022 b	< 0.2	0.020 b
	MW-8M-0806	08/14/2006	1.1	< 0.2	< 0.2	< 0.020 b	0.061 b	< 0.2	0.029 b
	MW-8M-1106	11/07/2006	1.0 J	< 0.2 J	< 0.2 UJ	< 0.020 b	0.025 b	< 0.2 UJ	0.020 b
	MW-8M-0207	02/20/2007	0.7	< 0.2	< 0.2	< 0.020 b	< 0.020 bUJ	< 0.2	0.024 b
	DUP-1-0207 (Dup)	02/20/2007	0.7	< 0.2	< 0.2	< 0.020 b	0.022 bJ	< 0.2	0.025 b
	MW-8M-0507	05/21/2007	0.8	< 0.2	< 0.2	< 0.020 b	0.024 b	< 0.2	0.022 b
	DUP-1-0807 (Dup)	08/13/2007	0.8	< 0.2	< 0.2	< 0.020 b	0.025 b	< 0.2	0.036 b
	MW-8M-0807	08/13/2007	0.8	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	0.027 b
	MW-8M-1107	11/12/2007	1.0	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0208	02/20/2008	1.4	< 0.2	< 0.2	< 0.020 b	< 0.065 bJ	< 0.2	0.037 b
	DUP-1-0208 (Dup)	02/20/2008	1.3	< 0.2	< 0.2	< 0.020 b	< 0.020 bUJ	< 0.2	0.036 b
	MW-8M-0508	05/02/2008	1.2	< 0.2	< 0.2	< 0.020 b	0.020 bJ	< 0.2	0.023 b
	MW-30-0508 (Dup)	05/02/2008	1.2	< 0.2	< 0.2	< 0.020 b	0.064 bJ	< 0.2	0.024 b
	MW-8M-0808	08/06/2008	1.0	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	0.020 b
	MW-8M-1108	11/04/2008	1.0 J	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0209	02/03/2009	0.6	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0509	05/12/2009	0.5	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0809	08/25/2009	0.4	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-1109	11/11/2009	0.5	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0210	02/22/2010	0.4	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0510	05/26/2010	0.4	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0810	08/25/2010	0.4	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-1110	11/30/2010	0.3	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0211	03/01/2011	0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-80M-0211 (Dup)	03/01/2011	0.3	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0511	05/17/2011	0.3	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0811	08/11/2011	0.3	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-1111	11/30/2011	0.3	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0212	02/15/2012	0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0512	05/16/2012	0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0812	07/31/2012	0.25	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-1112	11/15/2012	0.23	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-8M-0213	02/12/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0513	05/23/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0813	08/13/2013	0.23	< 0.2	< 0.2	< 0.02 b	< 0.02 b	< 0.2	< 0.02 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4
MW-9	MW-9-0204	02/24/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
(Shallow)	MW-9-0804	08/25/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	0.2	< 0.2	< 0.020 b
	MW-9-0205	02/28/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-9-0206	02/07/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	0.032 b	< 0.2	< 0.020 b
	MW-9-0207	02/20/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	0.022 b	< 0.2	< 0.020 b
	MW-9-0208	02/21/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	0.037 b
	MW-9-0209	02/05/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-9-0210	02/24/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-9-0211	03/02/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-9-0212	02/16/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-9-0213	02/12/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-10 (Shallow)	MW-10-0204	02/25/2004	0.044 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-10-0804	08/27/2004	0.042 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-10-0205	02/28/2005	0.08 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-10-0805	08/10/2005	0.09 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-10-0206	02/08/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	0.039 b	< 0.2	< 0.020 b
	MW-10-0806	08/17/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	0.13 b	< 0.2	< 0.020 b
	MW-10-0207	02/23/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	0.031 b	< 0.2	< 0.020 b
	MW-10-0807	08/17/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	0.078 b	< 0.2	< 0.020 b
	MW-10-0208	02/20/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	0.034 b	< 0.2	< 0.020 b
	MW-10-0808	08/06/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	0.097 b	< 0.2	< 0.020 b
	MW-10-0209	02/04/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	0.040 b	< 0.2	< 0.020 b
	MW-10-0809	08/25/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	0.099 b	< 0.2	< 0.020 b
	MW-10-0210	02/24/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	0.029 b	< 0.2	< 0.020 b
	MW-10-0810	08/26/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	0.067 b	< 0.2	< 0.020 b
	MW-100-0211 (Dup)	03/02/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	0.053 b	< 0.2	< 0.020 b
	MW-10-0211	03/02/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	0.060 b	< 0.2	< 0.020 b
	MW-10-0811	08/11/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	0.075 b	< 0.2	< 0.020 b
	MW-10-0212	02/15/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	0.033 b	< 0.2	< 0.020 b
	MW-10-0812	08/01/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	0.049 b	< 0.2	< 0.020 b
	MW-10-0213	02/14/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	0.039 b	< 0.20	< 0.020 b
	MW-10-0813	08/13/2013	< 0.2	< 0.2	< 0.2	< 0.02 b	0.069 b	< 0.2	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-11	MW-11-0204	02/23/2004	0.32 b	1.7	16	< 0.020 b	9.8	< 0.4	0.086 b
(Shallow)	MW-11-0504	05/26/2004	0.19 b	1	12	< 0.020 b	7.5	< 0.2	0.057 b
	MW-11-0804	08/26/2004	0.47 b	2.2	21	< 0.020 b	15	< 0.2	0.22 b
	MW-11-1104	11/30/2004	0.60	2.2	22	< 0.020 b	16	< 0.6	0.24 b
	MW-30-1104 (Dup)	11/30/2004	0.5	2	24	< 0.020 b	18	< 0.2	0.24 b
	MW-11-0205	03/01/2005	0.35 b	1.6	19	< 0.020 b	13	< 0.6	0.17 b
	MW-11-0505	06/01/2005	0.38 b	2	19	< 0.020 b	13	< 0.4	0.17 b
	MW-11-0805	08/12/2005	0.34 b	1.9	17	< 0.020 b	13	< 0.4	0.12 b
	MW-11-1105	11/15/2005	0.5	2.5	20	< 0.020 b	16	< 0.4	0.13 b
	MW-11-0206	02/09/2006	0.4	1.3	11	< 0.020 b	12	< 0.2	0.084 b
	DUP-2-0206 (Dup)	02/09/2006	0.5	1.5	11	< 0.020 b	13	< 0.2	0.087 b
	MW-11-0506	05/17/2006	0.3	0.9	7.3	< 0.020 b	7.6	< 0.2	0.046 b
	MW-11-0806	08/16/2006	0.3	1.5	13	< 0.020 b	11	< 0.2	0.12 b
	MW-11-0806 (Dup)	08/16/2006	0.3	1.5	13	< 0.020 b	12	< 0.2	0.15 b
	MW-11-1106	11/08/2006	< 1.0	13	46	< 0.020 b	26	< 1	0.28 b
	MW-11-0207	02/21/2007	0.3	1.1	11	< 0.020 b	8.9	< 0.2	0.071 b
	DUP-2-0207 (Dup)	02/21/2007	0.3	1.2	11	< 0.020 b	9.1	< 0.2	0.086 b
	MW-11-0507	05/23/2007	0.3	1.1	7.8	< 0.020 b	8.8	< 0.2	0.068 b
	DUP-2-0807 (Dup)	08/15/2007	0.3	1.6	8.2	< 0.020 b	10	< 0.2	0.073 J
	MW-11-0807	08/15/2007	0.2	1.1	7.1	< 0.020 b	10	< 0.2	0.11 J
	MW-11-1107	11/13/2007	0.6	3.7	15	< 0.020 b	13	< 0.2	0.15 J
	MW-11-0208	02/20/2008	0.4	1.9	12	< 0.020 b	9.7	< 0.2	0.14 b
	DUP-2-0208 (Dup)	02/20/2008	0.4	1.9	13	< 0.020 b	11	< 0.2	0.14 b
	MW-11-0508	05/05/2008	0.3	1.0	6.9	< 0.020 b	7.8	< 0.2	< 0.020 b
	MW-11-0808	08/07/2008	0.3	1.8	11	< 0.020 b	9.1	< 0.2	0.11 b
	MW-11-1108	11/10/2008	0.5 J	2.6	14	< 0.020 b	11	< 0.2	0.13 b
	MW-110-1108 (Dup)	11/10/2008	0.5 J	2.5	14	< 0.020 b	12	< 0.2	0.12 b
	MW-11-0209	02/04/2009	0.2	1.8	7.8	< 0.020 b	8.2	< 0.2	0.054 b
	MW-11-0509	05/13/2009	0.2	1.2	6.5	< 0.020 b	7.3	< 0.2	0.085 b
	MW-11-0809	08/26/2009	< 0.2	1.0	7.0	< 0.020 b	7.3	< 0.2	0.073 b
	MW-11-1109	11/11/2009	0.4	5.1	19	< 0.020 b	10	< 0.2	0.16 b
	MW-11-0210	02/25/2010	0.2	1.4	8.5	< 0.020 b	6.2	< 0.2	0.12 b
	MW-11-0510	05/27/2010	< 0.2	0.9	5.5	< 0.020 b	4.4	< 0.2	0.043 b
	MW-11-0810	08/26/2010	0.2	1.5	11	< 0.020 b	5.6	< 0.2	0.12 Jb
	MW-11-1110	11/30/2010	0.3	2.0	11	< 0.020 b	7.2	< 0.2	0.11 b
	MW-11-0211	03/02/2011	0.2	1.4	8.0	< 0.020 b	5.4	< 0.2	0.092 b
	MW-11-0511	05/17/2011	< 0.2	1.2	7.0	< 0.020 b	4.4	< 0.2	0.052 b
	MW-11-0811	08/11/2011	0.4	1.9	14	< 0.020 b	5.0	< 0.2	0.10 b
	MW-11-1111	11/30/2011	0.5	3.1	18	< 0.020 b	7.5	< 0.2	0.22 b
	MW-11-0212	02/15/2012	0.4	2.7	16	< 0.020 b	6.2	< 0.2	0.18 b
	MW-110-0512 (Dup)	05/16/2012	0.2	1.8	10	< 0.020 b	4.1	< 0.2	0.093 b
	MW-11-0512	05/16/2012	0.2	1.9	10	< 0.020 b	4.0	< 0.2	0.085 b
	MW-11-0812	08/02/2012	0.38	2.5	13	< 0.020 b	6.0	< 0.2	0.11 b
	MW-110-0812 (Dup)	08/02/2012	0.41	2.7	14	< 0.020 b	6.3	< 0.2	0.13 b
	MW-11-1112	11/15/2012	0.76	5.3	24	< 0.020 b	9.6	< 0.2	0.22 b
	MW-11-0213	02/13/2013	0.52	4.3	17	< 0.020 b	6.4	< 0.20	0.20 b
	MW-11-0513	05/23/2013	0.42	3.8	15	< 0.020 b	5.5	< 0.20	0.14 b
	MW-11-0813	08/14/2013	0.93	7.2	25	< 0.020 b	8.5	< 0.2	0.28 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-12	MW-12-0204	02/25/2004	< 0.020 b	< 0.2	< 0.2	0.025 b	< 0.2	< 0.2	< 0.020 b
(Shallow)	MW-12-0804	08/27/2004	0.025 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-12-0205	02/28/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-12-0805	08/12/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-12-0206	02/08/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0806	08/17/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0207	02/21/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0807	08/15/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0208	02/20/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	0.021 b	< 0.2	< 0.020 b
	MW-12-0808	08/06/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-120-0808 (Dup)	08/06/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12M-0209	02/03/2009	< 0.2	0.3	4.4	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0809	08/25/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0210	02/24/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0810	08/26/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0211	03/02/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0811	08/11/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0212	02/16/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0812	08/01/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-12-0213	02/14/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-12-0813	08/14/2013	< 0.2	< 0.2	< 0.2	< 0.02 b	< 0.02 b	< 0.2	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
MW-13	MW-13-0204	02/24/2004	0.070 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.12 b
(Shallow)	MW-30-0204 (Dup)	02/24/2004	0.073 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.12 b
	MW-13-0504	05/25/2004	0.063 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.072 b
	MW-20-0504 (Dup)	05/25/2004	0.063 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.065 b
	MW-13-0804	08/25/2004	0.06 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.057 b
	MW-13-1104	11/30/2004	0.039 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.027 b
	MW-13-0205	03/02/2005	0.032 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.034 b
	MW-13-0505	05/31/2005	0.03 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.02 b
	MW-13-0805	08/09/2005	0.026 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.023 b
	MW-13-1105	11/16/2005	0.026 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-13-0206	02/08/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	0.027 b	< 0.2	< 0.020 b
	MW-13-0506	05/17/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	0.024 b	< 0.2	< 0.020 b
	MW-13-0806	08/17/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-1106	11/07/2006	< 0.2 UJ	< 0.2 J	< 0.2 UJ	< 0.020 b	< 0.020 b	< 0.2 UJ	< 0.020 b
	MW-13-0207	02/20/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	0.032 b	< 0.2	< 0.020 b
	MW-13-0507	05/21/2007	< 0.2	< 0.2	< 0.2	0.028 b	0.023 b	< 0.2	0.022 b
	MW-13-0807	08/16/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	0.020 b	< 0.2	0.022 b
	MW-13-1107	11/12/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-0208	02/18/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	0.023 b	< 0.2	< 0.020 b
	MW-13-0808	08/07/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-1108	11/05/2008	< 0.2	< 0.2	0.2 J	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-130-1108 (Dup)	11/05/2008	< 0.2	< 0.2	0.2 J	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-0209	02/02/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-0809	08/26/2009	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-0210	02/25/2010	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-0810	08/26/2010	< 0.2	< 0.2	0.3	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-0211	03/02/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-0811	08/11/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-0212	02/16/2012	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-0812	07/31/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-13-0213	02/13/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-13-0813	08/13/2013	< 0.2	< 0.2	< 0.2	< 0.02 b	< 0.02 b	< 0.2	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-14M* (Intermediate)	MW-14S-0204	02/23/2004	0.62 b	15	83	< 0.020 b	110	< 1.0	0.32
	MW-20-0204 (Dup)	02/23/2004	0.60 b	15	82	< 0.020 b	110	< 1.0	0.31
	MW-14S-0504	05/26/2004	0.52 b	14	68	< 0.020 b	94	< 2.0	0.61
	MW-14S-0804	08/26/2004	1.2 b	15	91	< 0.020 b	110	< 1	1.1 b
	MW-14S-1104	11/30/2004	1.5 b	13	94	< 0.020 b	110	< 1	1.3 b
	MW-14S-0205	03/02/2005	0.74 b	14	68	< 0.020 b	81	< 1	0.4 b
	MW-14S-0505	06/01/2005	0.61 b	13	58	< 0.020 b	84	< 1	0.53 b
	MW-14S-0805	08/12/2005	1.1 b	14	71	< 0.020 b	81	< 1	0.8 b
	MW-14S-1105	11/15/2005	3.7 b	19	97	< 0.020 b	110	< 2	0.87 b
	MW-14M-0206	02/09/2006	1.6	13	63	< 0.020 b	100	< 1	0.44 b
	MW-14M-0506	05/17/2006	1.2	14	52	< 0.020 b	65	< 1	0.31 b
	MW-14M-0806	08/16/2006	2.9	16	77	< 0.020 b	80	< 1	0.74 b
	MW-14M-1106	11/08/2006	3.1	15	71	< 0.020 b	78 Jb	< 1	0.58 b
	MW-14M-0207	02/21/2007	1.1	12	38	< 0.020 b	53	< 1.0	0.17 b
	MW-14M-0507	05/23/2007	1.4	18	53	< 0.020 b	70	< 0.2	0.18 b
	MW-14M-0807	08/15/2007	1.5	17	53	< 0.020 b	61	< 1.0	0.43 b
	MW-14M-1107	11/13/2007	3.2	22	70	< 0.020 b	62 b	< 1.0	0.56 b
	MW-14M-0208	02/20/2008	2.1	32	95	< 0.020 b	70 bJ	< 0.2	0.32 b
	MW-14M-0508	05/05/2008	2.7	22	70	< 0.020 UJb	69	< 0.2	0.31 Jb
	MW-14M-0808	08/07/2008	4.2	27	85	< 0.020 b	69	< 0.2	0.44 b
	MW-14M-1108	11/06/2008	7.3	30	97	< 0.020 b	84	< 1.0	0.61 b
	MW-14M-0209	02/04/2009	4.4	26	79	< 0.020 b	79	< 0.2	0.42 b
	MW-14M-0509	05/13/2009	5.4	28	80	< 0.020 b	72	< 0.2	0.5
	MW-14M-0809	08/26/2009	7.9	26	79	< 0.020 UJb	70	< 0.4	1.2 Jb
	MW-14M-1109	11/11/2009	8.8	23	79	< 0.020 b	80	< 0.6	0.9
	MW-14M-0210	02/25/2010	5.5	25	63	< 0.020 b	56	< 0.6	0.39 b
	MW-14M-0510	05/27/2010	6.2	27	69	< 0.020 Jb	59	< 0.6	0.58 Jb
	MW-14M-0810	08/26/2010	15 J	39 J	98 J	< 0.020 b	56 J	< 0.2	1.2 Jb
	MW-140M-0810 (Dup)	08/26/2010	13	35	100	< 0.020 b	59	< 0.2	0.91 Jb
	MW-14M-1110	11/30/2010	15	31	84	< 0.020 b	65	< 0.6	1.3 b
	MW-14M-0211	03/02/2011	13	34	81	< 0.020 b	59	< 0.2	0.74 b
	MW-14M-0511	05/17/2011	15	38	95	< 0.020 b	70	< 0.2	1.0 b
	MW-14M-0811	08/11/2011	16	41	97	< 0.020 UJb	61	< 0.6	1.0 Jb
	MW-14M-1111	11/30/2011	21	46	100	< 0.020 b	78	< 0.6	1.2 b
	MW-14M-0212	02/15/2012	16	45	96	< 0.020 b	62	< 0.6	0.85 Jb
	MW-140M-0212 (Dup)	02/15/2012	16	43	100	< 0.020 b	60	< 0.2	0.51 Jb
	MW-14M-0512	05/16/2012	13	42	84	< 0.020 b	52	< 1.0	0.65 b
	MW-14M-0812	08/02/2012	15	44	93	< 0.020 b	58	< 0.4	1.1 b
	MW-14M-1112	11/15/2012	17	67	140	< 0.020 b	74	< 1.0	1.2 b
	MW-14M-0213	02/13/2013	15	56	110	< 0.020 b	60	< 1.0	0.97 b
	MW-14M-0513	05/23/2013	14	64	130	< 0.020 b	62	< 1.0	1.3 b
	MW-14M-0813	08/14/2013	14	66	130	< 0.02 b	58	< 0.2	1.6 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-14D* (Deep)	MW-14D-0204	02/23/2004	< 0.020 b	< 0.2	0.8	< 0.020 b	0.7	< 0.2	< 0.020 b
	MW-14D-0504	05/26/2004	< 0.020 b	< 0.2	0.9	< 0.020 b	0.6	< 0.2	< 0.020 b
	MW-14D-0804	08/26/2004	< 0.020 b	< 0.2	0.8	< 0.020 b	0.5	< 0.2	< 0.020 b
	MW-14D-1104	11/30/2004	< 0.020 b	< 0.2	0.7	< 0.020 b	0.4	< 0.2	0.022 b
	MW-14D-0205	03/02/2005	< 0.020 b	< 0.2	1	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-14D-0505	06/01/2005	< 0.020 b	< 0.2	1.1	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-14D-0805	08/12/2005	< 0.020 b	< 0.2	1	< 0.020 b	0.3	< 0.2	< 0.020 b
	MW-14D-1105	11/15/2005	< 0.020 b	< 0.2	1	< 0.020 b	0.3	< 0.2	< 0.020 b
	MW-14D-0206	02/09/2006	< 0.2	< 0.2	1.3	< 0.020 b	0.3 b	< 0.2	< 0.020 b
	MW-14D-0506	05/17/2006	< 0.2	< 0.2	0.9	< 0.020 b	0.19 b	< 0.2	< 0.020 b
	MW-14D-0806	08/16/2006	< 0.2	< 0.2	0.9	< 0.020 b	0.21 b	< 0.2	0.02 b
	MW-14D-1106	11/08/2006	< 0.2	< 0.2	0.7	< 0.020 b	0.16 b	< 0.2	< 0.020 b
	MW-14D-0207	02/21/2007	< 0.2	< 0.2	1.1	< 0.020 b	0.23 b	< 0.2	0.024 b
	MW-14D-0507	05/23/2007	< 0.2	< 0.2	0.9	0.021 b	0.15 b	< 0.2	0.021 b
	MW-14D-0807	08/15/2007	< 0.2	< 0.2	0.8	< 0.020 b	0.18 b	< 0.2	0.032 b
	MW-14D-1107	11/11/2007	< 0.2	< 0.2	1.0	< 0.020 b	0.17	< 0.2	0.027 b
	MW-14D-1107 (Dup)	11/13/2007	< 0.2	< 0.2	0.9	< 0.020 b	0.16	< 0.2	0.022 b
	MW-14D-0208	02/20/2008	< 0.2	< 0.2	1.1	< 0.020 b	0.17	< 0.2	0.031 b
	MW-14D-0508	05/05/2008	< 0.2	< 0.2	1.0	0.046 J	0.22 b	< 0.2	0.028 b
	MW-114D-0508 (Dup)	05/05/2008	< 0.2	< 0.2	1	0.031 b	0.18 b	< 0.2	0.032 b
	MW-14D-0808	08/07/2008	< 0.2	< 0.2	0.8	< 0.020 b	0.15 b	< 0.2	0.025 b
	MW-140D-0808 (Dup)	08/07/2008	< 0.2	< 0.2	1	< 0.020 b	0.14 b	< 0.2	0.023 b
	MW-14D-1108	11/06/2008	< 0.2	< 0.2	0.8 J	< 0.020 b	0.13 b	< 0.2	0.021 b
	MW-140D-1108 (Dup)	11/06/2008	< 0.2	< 0.2	0.9 J	< 0.020 b	0.15 b	< 0.2	0.022 b
	MW-14D-0209	02/04/2009	< 0.2	< 0.2	0.8	< 0.020 b	0.12 b	< 0.2	0.023 b
	MW-140D-0209 (Dup)	02/04/2009	< 0.2	< 0.2	0.8	< 0.020 b	0.13 b	< 0.2	0.026 b
	MW-14D-0509	05/13/2009	< 0.2	< 0.2	1.0	< 0.020 b	0.13 b	< 0.2	0.030 b
	MW-140D-0509 (Dup)	05/13/2009	< 0.2	< 0.2	1.0	< 0.020 b	0.13 b	< 0.2	0.037 b
	MW-14D-0809	08/25/2009	< 0.2	< 0.2	0.8	< 0.020 b	0.12 b	< 0.2	0.032 b
	MW-140D-0809 (Dup)	08/25/2009	< 0.2	< 0.2	0.7	< 0.020 b	0.11 b	< 0.2	0.034 b
	MW-14D-1109	11/11/2009	< 0.2	< 0.2	1.0	< 0.020 b	0.13 b	< 0.2	0.031 b
	MW-140D-1109 (Dup)	11/11/2009	< 0.2	< 0.2	1.0	< 0.020 b	0.097 b	< 0.2	0.027 b
	MW-14D-0210	02/25/2010	< 0.2	< 0.2	0.9	< 0.020 b	0.11 b	< 0.2	0.025 b
	MW-140D-0210 (Dup)	02/25/2010	< 0.2	< 0.2	1.2	< 0.020 b	0.12 b	< 0.2	0.035 b
	MW-14D-0510	05/27/2010	< 0.2	< 0.2	0.8	< 0.020 b	0.096 b	< 0.2	0.027 b
	MW-140D-0510 (Dup)	05/27/2010	< 0.2	< 0.2	0.8	< 0.020 b	0.11 b	< 0.2	0.030 b
	MW-14D-0810	08/26/2010	< 0.2	< 0.2	1.0	< 0.020 b	0.090 b	< 0.2	0.034 b
	MW-140D-0810 (Dup)	08/26/2010	< 0.2	< 0.2	1.0	< 0.020 b	0.096 b	< 0.2	0.035 b
	MW-14D-1110	11/30/2010	< 0.2	< 0.2	1.0	< 0.020 b	0.097 b	< 0.2	0.029 b
	MW-140D-0211 (Dup)	03/02/2011	< 0.2	< 0.2	1.0	< 0.020 b	0.095 b	< 0.2	0.028 b
	MW-14D-0211	03/02/2011	< 0.2	< 0.2	1.0	< 0.020 b	0.095 b	< 0.2	0.033 b
	MW-14D-0511	05/17/2011	< 0.2	< 0.2	1.1	< 0.020 b	0.076 b	< 0.2	0.027 b
	MW-140D-0511 (Dup)	05/17/2011	< 0.2	< 0.2	1.0	< 0.020 b	0.080 b	< 0.2	0.027 b
	MW-14D-0811	08/11/2011	< 0.2	< 0.2	0.8	< 0.020 b	0.072 b	< 0.2	0.027 b
	MW-140D-0811 (Dup)	08/11/2011	< 0.2	< 0.2	1.0	< 0.020 b	0.068 b	< 0.2	0.028 b
	MW-14D-1111	11/30/2011	< 0.2	< 0.2	1.5	< 0.020 b	0.11 b	< 0.2	0.036 b
	MW-140D-1111 (Dup)	11/30/2011	< 0.2	< 0.2	1.4	< 0.020 b	0.11 b	< 0.2	0.035 b
	MW-14D-0212	02/15/2012	< 0.2	< 0.2	1.1	< 0.020 b	0.081 b	< 0.2	0.033 b
	MW-14D-0512	05/15/2012	< 0.2	< 0.2	1.0	< 0.020 b	0.069 b	< 0.2	0.034 b
	MW-14D-0812	08/02/2012	< 0.2	< 0.2	0.86	< 0.020 b	0.061 b	< 0.2	0.036 b
	MW-14D-1112	11/15/2012	< 0.2	< 0.2	1.1	< 0.020 b	0.089 b	< 0.2	0.042 b
	MW-14D-0213	02/13/2013	< 0.20	< 0.20	0.83	< 0.020 b	0.047 b	< 0.20	0.038 b
	MW-140D-0213 (Dup)	02/13/2013	< 0.20	< 0.20	0.84	< 0.020 b	0.050 b	< 0.20	0.039 b
	MW-14D-0513	05/23/2013	< 0.20	< 0.20	1.2	< 0.020 b	0.080 b	< 0.20	0.052 b
	MW-14D-0813	08/14/2013	< 0.2	< 0.2	1	< 0.02 b	0.058 b	< 0.2	0.05 b
	MW-140D-0813 (dup)	08/14/2013	< 0.2	< 0.2	0.85	< 0.02 b	0.052 b	< 0.2	0.04 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-15M* (Intermediate)	MW-15S-0204	02/25/2004	0.90 b	2.9	49	0.022 b	130	< 2.0	0.17 b
	MW-15S-0504	05/26/2004	0.74 b	< 3	41	0.02 b	120	< 3.0	0.16 b
	MW-15S-0804	08/27/2004	0.67 b	2.3	41	< 0.020 b	140	< 1.0	0.14 b
	MW-15S-1104	11/30/2004	0.6 b	2.2	38	< 0.020 b	130	< 1.0	0.17 b
	MW-15S-0205	03/03/2005	0.66 b	2.2	35	< 0.020 b	110	< 1.0	0.23 b
	MW-15S-0505	06/02/2005	0.64 b	2	35	< 0.020 b	110	< 1.0	0.23 b
	MW-15S-0805	08/11/2005	0.59 b	1.8	35	< 0.020 b	120	< 1.0	0.25 b
	MW-15S-1105	11/17/2005	0.51 b	2.4	41	< 0.020 b	150	< 2.0	0.2 b
	MW-15M-0206	02/09/2006	< 1.0	1.7	28	< 0.020 b	100	< 1.0	0.21 b
	MW-15M-0506	05/18/2006	< 1.0	1.6	28	< 0.020 b	90	< 1.0	0.28 b
	MW-15M-0806	08/16/2006	< 1.0	1.5	31	< 0.020 b	110	< 1.0	0.42 b
	MW-15M-1106	11/08/2006	< 1.0	1.7	32	< 0.020 b	95 Jb	< 1.0	0.34 b
	MW-15M-0207	02/21/2007	< 1.0	1.5	28	< 0.020 b	79	< 1.0	0.46 b
	MW-15M-0507	05/23/2007	0.6	2.1	35 J	< 0.020 b	100 J	< 0.2	0.38 b
	MW-15M-0807	08/16/2007	0.5	1.7	30	< 0.020 b	90	< 0.2	0.47 b
	MW-15M-1107	11/14/2007	< 1.0	1.9	36	< 0.020 b	79 b	< 1.0	0.66 b
	MW-15M-0208	02/19/2008	0.7	2.3	62	< 0.020 b	85 bJ	< 0.2	0.80 b
	MW-15M-0408	04/29/2008	0.7	2.1	45	< 0.020 UJb	97	< 0.2	0.41 Jb
	MW-15S-0808	08/08/2008	0.6	1.9	42	< 0.020 UJb	90	< 0.2	0.4 Jb
	MW-15M-1208	12/05/2008	0.9	2.4	44	< 0.020 b	97 b	< 0.2	0.44 b
	MW-15M-0209	02/05/2009	0.6	3.3	40	< 0.020 b	94	< 0.2	0.39 b
	MW-15M-0509	05/12/2009	0.8	2.0	42	< 0.020 b	84	< 0.2	0.4
	MW-15M-0809	08/26/2009	0.9	2.0	40	< 0.020 UJb	88	< 0.2	0.39 Jb
	MW-15M-1109	11/11/2009	0.8	1.1	33	< 0.020 b	70	< 0.6	0.24 b
	MW-15M-0210	02/24/2010	0.9	1.9	34	< 0.020 b	67	< 0.6	0.33 b
	MW-15M-0510	05/27/2010	0.7	1.7	31	< 0.020 Jb	68	< 0.2	0.24 Jb
	MW-15M-0810	08/24/2010	0.7	1.4	30	< 0.020 Jb	57	< 0.6	0.20 Jb
	MW-15M-1110	11/29/2010	1.2	2.0	38	< 0.020 b	64 b	< 0.6	0.19 b
	MW-15M-0211	02/28/2011	0.8	1.4	27	< 0.020 b	54	< 0.2	0.19 b
	MW-15M-0511	05/17/2011	1.0	1.7	27	< 0.020 b	67	< 0.2	0.14 b
	MW-15M-0811	08/09/2011	0.6	1.0	19	< 0.020 b	50	< 0.2	0.073 Jb
	MW-15M-1111	11/29/2011	0.5	0.9	14	< 0.020 b	44	< 0.2	0.084 b
	MW-15M-0212	02/15/2012	0.6	1	17	< 0.020 b	46	< 0.2	0.045 b
	MW-15M-0512	05/15/2012	0.6	0.9	16	< 0.020 b	43	< 0.2	0.10 b
	MW-15M-0812	08/01/2012	0.66	0.98	16	< 0.020 b	45	< 0.2	0.088 b
	MW-15M-1112	11/14/2012	0.65	1.0	18	< 0.020 b	41	< 0.2	0.079 b
	MW-15M-0213	02/14/2013	0.61	0.85	14	< 0.020 b	38	< 0.20	0.069 b
	MW-15M-0513	05/22/2013	0.61	1.1	16	< 0.020 b	43	< 0.20	0.067 b
	MW-15M-0813	08/14/2013	0.73	1.1	15	< 0.02 b	47	< 0.2	0.056 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-15D* (Deep)	MW-15D-0204	02/25/2004	0.43 b	< 2	53	< 0.020 b	3.9	< 2.0	0.50 b
	MW-15D-0504	05/26/2004	0.51 b	< 2	68	< 0.020 b	18.0	< 2.0	0.46 b
	MW-15D-0804	08/27/2004	0.39 b	< 1.0	54	< 0.020 b	5.9	< 1.0	0.44 b
	MW-15D-1104	11/30/2004	0.36 b	< 1.0	54	< 0.020 b	9.5	< 1.0	0.48 b
	MW-15D-0205	03/02/2005	0.44 b	< 1.0	53	< 0.020 b	11	< 1.0	0.56 b
	MW-15D-0505	06/02/2005	0.32 b	< 1.0	46	< 0.020 b	1.3	< 1	0.46 b
	MW-15D-0805	08/11/2005	0.45 b	< 1.0	56	< 0.020 b	14	< 1	0.4 b
	MW-15D-1105	11/17/2005	0.28 b	< 1.0	54	< 0.020 b	1.3	< 1	0.39 b
	MW-15D-0206	02/09/2006	< 1.0	< 1.0	37	< 0.020 b	1 b	< 1	0.34 b
	MW-15D-0506	05/18/2006	< 1.0	< 1.0	60	< 0.020 b	16	< 1	0.36 b
	MW-15D-0806	08/16/2006	< 1.0	< 1.0	56	< 0.020 b	16	< 1	0.46 b
	MW-15D-1106	11/08/2006	< 1.0	< 1.0	32	< 0.020 b	0.97 b	< 1	0.29 b
	MW-15D-0207	02/21/2007	< 1.0	< 1.0	47	< 0.020 b	14	< 1.0	0.40 b
	MW-15D-0507	05/23/2007	0.4	1.1	63	0.022 b	15	< 0.2	0.42 b
	MW-15D-0807	08/16/2007	< 1.0	< 1.0	47	< 0.020 b	14	< 1.0	0.34 b
	MW-15D-1107	11/14/2007	< 1.0	< 1.0	47	< 0.020 b	4.0	< 1.0	0.55 b
	MW-15D-0208	02/19/2008	0.6	1.7	99	< 0.020 b	24 bJ	< 0.2	0.57 b
	MW-15D-0408	04/29/2008	0.4	1.0	56	< 0.020 b	16 bJ	< 0.2	0.44 b
	MW-15D-0808	08/08/2008	0.3	1.3	58	< 0.020 b	11	< 0.2	0.39 b
	MW-15D-1208	12/05/2008	0.4	1.7	56	< 0.020 b	12 b	< 0.2	0.62 b
	MW-15D-0209	02/05/2009	0.4	4.1	52	< 0.020 b	19	< 0.2	0.44 b
	MW-15D-0509	05/12/2009	0.3	1.1	50	< 0.020 b	1.9 b	< 0.2	0.53 b
	MW-15D-0809	08/26/2009	0.6	2.0	62	< 0.020 UJb	41	< 0.2	0.59 Jb
	MW-15D-1109	11/11/2009	< 0.2	< 0.2	9.5	< 0.020 b	3.8	< 0.2	0.059 b
	MW-15D-0210	02/24/2010	< 0.2	< 0.2	1.2	< 0.020 b	0.86 b	< 0.2	< 0.020 b
	MW-15D-0510	05/26/2010	0.4	2.0	58	< 0.020 Jb	41	< 0.2	0.56 Jb
	MW-15D-0810	08/24/2010	0.5	2.3	71	< 0.020 Jb	36	< 0.2	0.57 Jb
	MW-15D-1110	11/29/2010	0.5	2.0	56	< 0.020 b	45 b	< 0.2	0.52 b
	MW-15D-0211	02/28/2011	0.3	1.2	41	< 0.020 b	13	< 0.2	0.36 b
	MW-15D-0511	05/17/2011	0.4	1.3	51	< 0.020 b	7.2	< 0.2	0.47 b
	MW-15D-0811	08/09/2011	0.6	2.1	64	< 0.020 UJb	44	< 0.2	0.58 Jb
	MW-15D-1111	11/29/2011	0.4	1.4	50	< 0.020 b	1.9 b	< 0.2	0.43 b
	MW-15D-0212	02/15/2012	0.4	1.8	54	< 0.020 b	17	< 0.2	0.47 b
	MW-15D-0512	05/15/2012	0.6	2.4	64 J	< 0.020 b	39	< 0.2	0.58 b
	MW-15D-0812	08/01/2012	0.68	2.4	56	< 0.020 b	43	< 0.2	0.66 b
	MW-15D-1112	11/14/2012	0.38	2.0	53	< 0.020 b	12	< 0.2	0.51 b
	MW-15D-0213	02/14/2013	0.74	2.5	58	< 0.020 b	43	< 0.20	0.73 b
	MW-15D-0513	05/22/2013	0.77	2.5	60	< 0.020 b	39	< 0.20	0.80 b
	MW-15D-0813	08/14/2013	0.97	3.2	64	< 0.02 b	40	< 0.2	0.73 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-16M* (Intermediate)	MW-16S-0204	02/25/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16S-0504	05/25/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16S-0804	08/26/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16S-1104	11/30/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16S-0205	03/03/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16S-0505	06/03/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-60S-0505 (Dup)	06/03/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16S-0805	08/12/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16S-1105	11/17/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16M-0206	02/10/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0506	05/18/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0806	08/15/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-1106	11/10/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0207	02/22/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0507	05/22/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0807	08/16/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	0.11 b	< 0.2	< 0.020 b
	MW-16M-1107	11/15/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0208	02/19/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0408	04/28/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0808	08/07/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-1108	11/10/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0209	02/05/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0509	05/13/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0809	08/26/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-1109	11/10/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0210	02/24/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0510	05/27/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0810	08/26/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-1110	11/30/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0211	03/02/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0511	05/17/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0811	08/09/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-1111	11/29/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0212	02/14/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0512	05/15/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0812	08/01/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-1112	11/14/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16M-0213	02/12/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0513	05/22/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0813	08/14/2013	< 0.2	< 0.2	< 0.2	< 0.02 b	< 0.02 b	< 0.2	< 0.02 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-16D* (Deep)	MW-16D-0204	02/25/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16D-0504	05/25/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16D-0804	08/26/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16D-1104	11/30/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16D-0205	03/03/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16D-0505	06/03/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16D-0805	08/12/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16D-1105	11/17/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-16D-0206	02/10/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0506	05/18/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0806	08/15/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-1106	11/10/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0207	02/22/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0507	05/22/2007	< 0.2	< 0.2	< 0.2	0.023 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0807	08/16/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	0.048 b	< 0.2	< 0.020 b
	MW-16D-1107	11/15/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0208	02/19/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0608 ^H	06/20/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0808	08/07/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-1108	11/10/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0209	02/05/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0509	05/13/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0809	08/26/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-1109	11/10/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0210	02/24/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0510	05/27/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0810	08/26/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-1110	11/30/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0211	03/02/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0511	05/17/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0811	08/09/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-1111	11/29/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0212	02/14/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0512	05/15/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0812	08/01/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-1112	11/14/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-16D-0213	02/12/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0513	05/22/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0813	08/14/2013	< 0.2	< 0.2	< 0.2	< 0.02 b	< 0.02 b	< 0.2	< 0.02 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-17M* (Intermediate)	MW-17M-0205	03/03/2005	0.1 b	< 0.2	0.5	< 0.020 b	< 0.2	< 0.2	0.024 b
	MW-17M-0505	06/02/2005	0.08 b	< 0.2	0.4	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-17M-0805	08/11/2005	0.1 b	< 0.2	0.5	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-17S-0805 (Dup)	08/11/2005	0.1 b	< 0.2	0.4	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-17M-1105	11/16/2005	0.1 b	< 0.2	0.3	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-17M-0206	02/09/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0506	05/18/2006	< 0.2	< 0.2	0.6	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0806	08/16/2006	< 0.2	< 0.2	0.5	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-1106	11/10/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0207	02/22/2007	< 0.2	< 0.2	0.6	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0507	05/23/2007	< 0.2	< 0.2	0.5	< 0.020 b	< 0.020 b	< 0.2	0.021 b
	MW-17M-0807	08/15/2007	< 0.2	< 0.2	0.3	< 0.020 b	0.088 b	< 0.2	0.043 b
	MW-17M-1107	11/14/2007	< 0.2	< 0.2	3.5	< 0.020 b	6.0	< 0.2	< 0.020 b
	MW-17M-0208	02/19/2008	< 0.2	< 0.2	0.5	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0508	05/01/2008	< 0.2	< 0.2	0.4	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0808	08/08/2008	< 0.2	< 0.2	0.4	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-1108	11/07/2008	< 0.2	< 0.2	0.3 J	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0209	02/04/2009	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0509	05/12/2009	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0809	08/26/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-1109	11/10/2009	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0210	02/23/2010	< 0.2	< 0.2	0.3	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0510	05/27/2010	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0810	08/24/2010	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0211	02/28/2011	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0811	08/09/2011	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0212	02/14/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0812	08/01/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17M-0213	02/14/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17M-0813	08/14/2013	< 0.2	< 0.2	0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-17D* (Deep)	MW-17D-0205	03/03/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-17D-0505	06/02/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-17D-0805	08/11/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-17D-1105	11/15/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-17D-0206	02/09/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0506	05/17/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0806	08/16/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-1106	11/10/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0207	02/22/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0507	05/23/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0807	08/15/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	0.46 b	< 0.2	0.026 b
	MW-17D-1107	11/14/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0208	02/19/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0608 ^h	06/20/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0808	08/08/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-1108	11/07/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0209	02/04/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0509	05/12/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0809	08/26/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-1109	11/10/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0210	02/23/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0510	05/27/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0810	08/24/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0211	02/28/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0811	08/09/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0212	02/14/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0812	08/01/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-17D-0213	02/14/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17D-0813	08/14/2013	< 0.2	< 0.2	< 0.2	< 0.02 b	< 0.02 b	< 0.2	< 0.02 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-18M* (Intermediate)	MW-18M-0205	03/03/2005	0.1 b	< 0.2	4.7	< 0.020 b	< 0.2	< 0.2	0.055 b
	MW-18M-0505	06/03/2005	0.049 b	< 0.2	4.3	< 0.020 b	< 0.2	< 0.2	0.044 b
	MW-18M-0805	08/12/2005	0.06 b	< 0.2	6.1	< 0.020 b	< 0.2	< 0.2	0.055 b
	MW-18M-1105	11/17/2005	0.05 b	< 0.2	4.6	< 0.020 b	< 0.2	< 0.2	0.036 b
	MW-18M-0206	02/10/2006	< 0.2	< 0.2	3.5	< 0.020 b	< 0.020 b	< 0.2	0.022 b
	MW-18M-0506	05/18/2006	< 0.2	< 0.2	5.1	< 0.020 b	< 0.020 b	< 0.2	0.029 b
	DUP-1-0506 (Dup)	05/18/2006	< 0.2	< 0.2	5.0	< 0.020 b	< 0.020 b	< 0.2	0.033 b
	MW-18M-0806	08/15/2006	< 0.2	< 0.2	5.0	< 0.020 b	< 0.020 b	< 0.2	0.048 b
	MW-18M-1106	11/10/2006	< 0.2	< 0.2	2.8	< 0.020 b	< 0.020 b	< 0.2	0.024 b
	MW-18M-0207	02/22/2007	< 0.2	< 0.2	4.6	< 0.020 b	< 0.020 b	< 0.2	0.027 b
	MW-18M-0507	05/22/2007	< 0.2	< 0.2	4.1	0.032 b	< 0.020 b	< 0.2	0.021 b
	MW-18M-0507 (Dup)	05/22/2007	< 0.2	< 0.2	4.2	0.027 b	< 0.020 b	< 0.2	0.028 b
	MW-18M-0807	08/17/2007	< 0.2	< 0.2	3.8	< 0.020 b	0.031 b	< 0.2	0.034 b
	MW-18M-1107	11/14/2007	< 0.2	< 0.2	1.4	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18M-0208	02/19/2008	< 0.2	< 0.2	5.0	< 0.020 b	< 0.020 b	< 0.2	0.031 b
	MW-18M-0508	05/01/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18M-0808	08/08/2008	< 0.2	< 0.2	4.9	< 0.020 b	< 0.020 b	< 0.2	0.026 b
	MW-18M-1108	11/10/2008	< 0.2	< 0.2	4.7 J	< 0.020 b	< 0.020 b	< 0.2	0.025 b
	MW-18M-0209	02/05/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	0.023 b
	MW-18M-0509	05/13/2009	< 0.2	< 0.2	3.4	< 0.020 b	< 0.020 b	< 0.2	0.028 b
	MW-18M-0809	08/26/2009	< 0.2	< 0.2	4.3	< 0.020 b	< 0.020 b	< 0.2	0.028 b
	MW-18M-1109	11/11/2009	< 0.2	< 0.2	2.8	< 0.020 b	< 0.020 b	< 0.2	0.024 b
	MW-18M-0210	02/24/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18M-0510	05/27/2010	< 0.2	< 0.2	3.7	< 0.020 b	< 0.020 b	< 0.2	0.025 b
	MW-18M-0810	08/25/2010	< 0.2	< 0.2	3.8	< 0.020 b	< 0.020 b	< 0.2	0.022 b
	MW-18M-0511	05/16/2011	< 0.2	< 0.2	2.8	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18M-0811	08/09/2011	< 0.2	< 0.2	3.8	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18M-0212	02/14/2012	< 0.2	< 0.2	2.7	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18M-0812	08/01/2012	< 0.2	0.22	3.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18M-0213	02/12/2013	< 0.20	0.26	2.8	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-18M-0813	08/14/2013	< 0.2	0.35	3.3	< 0.02 b	< 0.02 b	< 0.2	< 0.02 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-18D* (Deep)	MW-18D-0205	03/03/2005	< 0.020 b	< 0.2	2.2	< 0.020 b	< 0.2	< 0.2	0.029 b
	MW-18D-0505	06/09/2005	< 0.020 b	< 0.2	2	< 0.2	< 0.2	< 0.2	0.02 b
	MW-18D-0805	08/12/2005	< 0.020 b	< 0.2	2.5	< 0.020 b	< 0.2	< 0.2	0.024 b
	MW-18D-1105	11/17/2005	< 0.020 b	< 0.2	2.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-18D-0206	02/10/2006	< 0.2	< 0.2	1.7	< 0.020 b	< 0.020 b	< 0.2	0.024 b
	DUP-3-0206 (Dup)	02/09/2006	< 0.2	< 0.2	1.6	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0506	05/18/2006	< 0.2	< 0.2	2.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0806	08/15/2006	< 0.2	< 0.2	2.0	< 0.020 b	< 0.020 b	< 0.2	0.025 b
	MW-18D-1106	11/10/2006	< 0.2	< 0.2	0.8	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0207	02/22/2007	< 0.2	< 0.2	1.6	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	DUP-3-0207 (Dup)	02/22/2007	< 0.2	< 0.2	1.4	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0507	05/22/2007	< 0.2	< 0.2	1.6	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	DUP-3-0807 (Dup)	08/17/2007	< 0.2	< 0.2	1.0	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0807	08/17/2007	< 0.2	< 0.2	1.1	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-1107	11/14/2007	< 0.2	< 0.2	1.4	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0208	02/19/2008	< 0.2	< 0.2	1.5	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0508	05/01/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	0.020 b	< 0.2	< 0.020 b
	MW-18D-0808	08/08/2008	< 0.2	< 0.2	1.5	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-1108	11/07/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0209	02/05/2009	< 0.2	< 0.2	1.0	< 0.020 b	< 0.020 b	< 0.2	0.021 b
	MW-18D-0509	05/13/2009	< 0.2	< 0.2	1.2	< 0.020 b	< 0.020 b	< 0.2	0.024 b
	MW-18D-0809	08/26/2009	< 0.2	< 0.2	1.5	< 0.020 b	0.034 b	< 0.2	0.030 b
	MW-18D-1109	11/11/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0210	02/24/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0510	05/27/2010	< 0.2	< 0.2	0.4	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0810	08/24/2010	< 0.2	< 0.2	1.9	< 0.020 b	0.031 Jb	< 0.2	0.029 Jb
	MW-18D-0211	03/03/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0811	08/09/2011	< 0.2	< 0.2	1.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0212	02/14/2012	< 0.2	< 0.2	0.7	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-18D-0812	08/01/2012	< 0.2	< 0.2	1.2	< 0.020 b	< 0.020 b	< 0.2	0.024 b
	MW-18D-0213	02/12/2013	< 0.20	< 0.20	1.4	< 0.020 b	< 0.020 b	< 0.20	0.029 b
	MW-18D-0813	08/14/2013	< 0.2	< 0.2	1.4	< 0.2 b	< 0.02 b	< 0.2	0.023 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4
MW-19M* (Intermediate)	MW-19M-0205	02/28/2005	0.3 b	< 0.2	0.6	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-19M-0505	05/31/2005	0.3	< 0.2	0.5	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-19M-0805	08/11/2005	0.22 b	< 0.2	0.6	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-19M-1105	11/14/2005	0.20	< 0.2	0.4	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	MW-19M-0206	02/08/2006	0.30	< 0.2	0.5	< 0.020 b	0.12 b	< 0.2	< 0.020 b
	MW-19M-0506	05/16/2006	< 0.2	< 0.2	0.4	< 0.020 b	0.1 b	< 0.2	< 0.020 b
	MW-19M-0806	08/17/2006	< 0.2	< 0.2	0.3	< 0.020 b	0.11 b	< 0.2	< 0.020 b
	MW-19M-1106	11/08/2006	< 0.2	< 0.2	0.3	< 0.020 b	0.08 b	< 0.2	< 0.020 b
	MW-19M-0207	02/21/2007	< 0.2	< 0.2	0.3	< 0.020 b	0.12 b	< 0.2	< 0.020 b
	MW-19M-0507	05/21/2007	< 0.2	< 0.2	0.2	0.025 b	0.081 b	< 0.2	< 0.020 b
	MW-19M-0807	08/15/2007	< 0.2	< 0.2	0.2	< 0.020 b	0.10 b	< 0.2	0.030 b
	MW-19M-1107	11/12/2007	< 0.2	< 0.2	0.3	< 0.020 b	0.097 b	< 0.2	< 0.020 b
	MW-19M-0208	02/20/2008	< 0.2	< 0.2	0.2	< 0.020 b	0.079 b	< 0.2	< 0.020 b
	MW-19M-0808	08/06/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	0.090 b	< 0.2	< 0.020 b
	MW-19M-1108	11/10/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	0.085 b	< 0.2	< 0.020 b
	MW-19M-0209	02/04/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	0.080 b	< 0.2	< 0.020 b
	MW-19M-0809	08/25/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	0.071 b	< 0.2	< 0.020 b
	MW-19M-0210	02/24/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	0.072 b	< 0.2	< 0.020 b
	MW-19M-0810	08/26/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	0.059 b	< 0.2	< 0.020 b
	MW-19M-0211	03/02/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	0.068 b	< 0.2	< 0.020 b
	MW-19M-0811	08/11/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	0.060 b	< 0.2	< 0.020 b
	MW-19M-0212	02/15/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	0.062 b	< 0.2	< 0.020 b
	MW-19M-0812	08/02/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	0.050 b	< 0.2	< 0.020 b
	MW-19M-0213	02/14/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	0.054 b	< 0.20	< 0.020 b
	MW-19M-0813	08/15/2013	< 0.2	< 0.2	< 0.2	< 0.2 b	0.045 b	< 0.2	< 0.02 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-20M* (Intermediate)	MW-20M-0205	03/02/2005	0.1 b	< 0.2	1.3	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-200M-0205 (Dup)	03/02/2005	0.1 b	< 0.2	1.3	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-20M-0505	06/01/2005	0.046 b	< 0.2	1	< 0.020 b	0.3	< 0.2	< 0.020 b
	MW-20M-0805	08/11/2005	0.05 b	0.2	1.5	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-20M-1105	11/15/2005	0.04 b	0.2	1.0	< 0.020 b	0.3	< 0.2	< 0.020 b
	MW-20M-0206	02/08/2006	< 0.2	< 0.2	0.5	< 0.020 b	0.2 b	< 0.2	< 0.020 b
	MW-20M-0506	05/16/2006	< 0.2	< 0.2	1.1	< 0.020 b	0.46 b	< 0.2	< 0.020 b
	MW-20M-0806	08/17/2006	< 0.2	< 0.2	0.9	< 0.020 b	0.43 b	< 0.2	0.02 b
	MW-20M-1106	11/07/2006	< 0.2	< 0.2	0.2	< 0.020 b	0.058 b	< 0.2	< 0.020 b
	MW-200M-1106 (Dup)	11/07/2006	< 0.2	< 0.2	0.2	< 0.020 b	0.056 b	< 0.2	< 0.020 b
	MW-20M-0207	02/23/2007	< 0.2	< 0.2	0.7	< 0.020 b	0.5 b	< 0.2	0.027 b
	MW-20M-0507	05/22/2007	< 0.2	< 0.2	0.8	0.032 b	0.40 b	< 0.2	0.021 b
	MW-20M-0807	08/17/2007	< 0.2	< 0.2	0.5	< 0.020 b	0.28 b	< 0.2	< 0.020 b
	MW-20M-1107	11/13/2007	< 0.2	< 0.2	0.7	< 0.020 b	0.27 b	< 0.2	< 0.020 b
	MW-20M-0208	02/20/2008	< 0.2	< 0.2	0.6	< 0.020 b	0.36 b	< 0.2	< 0.020 b
	MW-20M-0808	08/06/2008	< 0.2	< 0.2	0.5	< 0.020 b	0.32 b	< 0.2	< 0.020 b
	MW-20M-1108	11/10/2008	< 0.2	< 0.2	0.2	< 0.020 b	0.077 b	< 0.2	< 0.020 b
	MW-20M-0209	02/04/2009	< 0.2	< 0.2	0.6	< 0.020 b	0.34 b	< 0.2	< 0.020 b
	MW-20M-0809	08/27/2009	< 0.2	< 0.2	0.5	< 0.020 b	0.31 b	< 0.2	0.020 b
	MW-20M-0210	02/24/2010	< 0.2	< 0.2	0.3	< 0.020 b	0.23 b	< 0.2	< 0.020 b
	MW-20M-0810	08/26/2010	< 0.2	< 0.2	0.5	< 0.020 b	0.25 b	< 0.2	< 0.020 b
	MW-20M-0211	03/02/2011	< 0.2	< 0.2	0.4	< 0.020 b	0.24 b	< 0.2	< 0.020 b
	MW-20M-0811	08/11/2011	< 0.2	< 0.2	0.4	< 0.020 b	0.26 b	< 0.2	< 0.020 b
	MW-20M-0212	02/15/2012	< 0.2	< 0.2	0.3	< 0.020 b	0.27 b	< 0.2	< 0.020 b
	MW-20M-0812	08/01/2012	< 0.2	< 0.2	0.33	< 0.020 b	0.15 b	< 0.2	< 0.020 b
	MW-20M-0213	02/13/2013	< 0.20	< 0.20	0.43	< 0.020 b	0.41 b	< 0.20	< 0.020 b
	MW-20M-0813	08/14/2013	< 0.2	< 0.2	0.46	< 0.020 b	0.26 b	< 0.2	< 0.020 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
MW-21S*	MW-21S-0905	09/26/2005	0.10 b	0.2	6.3	< 0.020 b	7.3	< 0.2	0.024 b
(Shallow)	MW-20S-1105	11/16/2005	0.14 b	0.3	6.5	< 0.020 b	8.4	< 0.2	< 0.020 b
	MW-22S-1105 (Dup)	11/16/2005	0.14 b	0.3	6.2	< 0.020 b	8.6	< 0.2	0.02 b
	MW-21S-0206	02/09/2006	0.20	0.3	8.4	< 0.020 b	9.5	< 0.2	< 0.020 b
	MW-21S-0506	05/18/2006	< 0.2	< 0.2	4.3	< 0.020 b	6.1	< 0.2	< 0.020 b
	MW-21S-0806	08/16/2006	< 0.2	< 0.2	3.7	< 0.020 b	6.5	< 0.2	< 0.020 b
	MW-21S-1106	11/08/2006	< 0.2	< 0.2	1.2	< 0.020 b	1.8 b	< 0.2	< 0.020 b
	MW-21S-0207	02/22/2007	< 0.2	0.2	5.2	< 0.020 b	6.6	< 0.2	< 0.020 b
	MW-21S-0507	05/23/2007	< 0.2	< 0.2	0.7	< 0.020 b	1.6 b	< 0.2	< 0.020 b
	MW-21S-0807	08/16/2007	< 0.2	< 0.2	2.4	< 0.020 b	6.0	< 0.2	< 0.020 b
	MW-21S-1107	11/14/2007	< 0.2	< 0.2	0.4	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	MW-21S-0208	02/22/2008	< 0.2	< 0.2	2.5	< 0.020 b	5.2	< 0.2	< 0.020 b
	MW-21S-0408	04/30/2008	< 0.2	< 0.2	1.9	< 0.020 b	4.6	< 0.2	< 0.020 b
	MW-21S-0808	08/08/2008	< 0.2	< 0.2	2.1	< 0.020 b	4.8	< 0.2	< 0.020 b
	MW-21S-1108	11/07/2008	< 0.2	< 0.2	1.6 J	< 0.020 b	3.7 b	< 0.2	< 0.020 b
	MW-21S-0209	02/04/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	3.7 b	< 0.2	< 0.020 b
	MW-21S-0509	05/12/2009	< 0.2	< 0.2	1.8	< 0.020 b	3.6	< 0.2	< 0.020 b
	MW-21S-0809	08/26/2009	< 0.2	< 0.2	1.8	< 0.020 b	3.7 b	< 0.2	< 0.020 b
	MW-21S-1109	11/11/2009	< 0.2	< 0.2	1.2	< 0.020 b	1.8 b	< 0.2	< 0.020 b
	MW-21S-0210	02/24/2010	< 0.2	< 0.2	1.3	< 0.020 b	3.6 b	< 0.2	< 0.020 b
	MW-21S-0510	05/26/2010	< 0.2	< 0.2	0.9	< 0.020 b	2.8 b	< 0.2	< 0.020 b
	MW-21S-0810	08/24/2010	< 0.2	< 0.2	1.1	< 0.020 b	3.0 Jb	< 0.2	< 0.020 b
	MW-21S-1110	11/29/2010	< 0.2	< 0.2	1.3	0.022 b	3.9 b	< 0.2	< 0.020 b
	MW-21S-0211	02/28/2011	< 0.2	< 0.2	1.0	< 0.020 b	3.3 b	< 0.2	< 0.020 b
	MW-21S-0511	05/17/2011	< 0.2	< 0.2	0.6	< 0.020 b	2.0 b	< 0.2	< 0.020 b
	MW-21S-0811	08/09/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	0.72 b	< 0.2	< 0.020 b
	MW-21S-1111	11/29/2011	< 0.2	< 0.2	0.9	< 0.020 b	3.0 b	< 0.2	< 0.020 b
	MW-21S-0212	02/15/2012	< 0.2	< 0.2	1.1	< 0.020 b	3.1 b	< 0.2	< 0.020 b
	MW-21S-0512	05/15/2012	< 0.2	< 0.2	1.1	< 0.020 b	2.8 b	< 0.2	< 0.020 b
	MW-21S-0812	08/01/2012	< 0.2	< 0.2	0.37	< 0.020 b	1.4 b	< 0.2	< 0.020 b
	MW-21S-1112	11/14/2012	< 0.2	< 0.2	0.63	< 0.020 b	2.3 b	< 0.2	< 0.020 b
	MW-210S-1112 (Dup)	11/14/2012	< 0.2	< 0.2	0.64	< 0.2	2.5 b	< 0.2	< 0.020 b
	MW-21S-0213	02/14/2013	< 0.20	< 0.20	0.40	< 0.020 b	2.0 b	< 0.20	< 0.020 b
	MW-210S-0213 (Dup)	02/14/2013	< 0.20	< 0.20	0.44	< 0.020 b	2.0 b	< 0.20	< 0.020 b
	MW-21S-0513	05/22/2013	< 0.20	< 0.20	0.27	< 0.020 b	1.0 b	< 0.20	< 0.020 b
	MW-210S-0513 (dup)	05/22/2013	< 0.20	< 0.20	0.22	< 0.020 b	1.1 b	< 0.20	< 0.020 b
	MW-21S-0813	08/14/2013	< 0.2	< 0.2	0.53	< 0.02 b	1.4 b	< 0.2	< 0.02 b
	MW-210S-0813 (dup)	08/14/2013	< 0.2	< 0.2	0.49	< 0.02 b	1.5 b	< 0.2	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
EPI-MW-2D (Intermediate)	EPI-MW-2D-0204	02/23/2004	12	22	94	0.021 b	74	< 1	1.1 b
	EPI-MW-2D-0504	05/26/2004	8.3 b	18	64	< 0.020 b	69	< 2	1.2 b
	EPI-MW-2D-0804	08/27/2004	15	20	69	< 0.020 b	74	< 1	1.4 b
	MW-20-0804 (Dup)	08/27/2004	14	20	67	< 0.020 b	73	< 0.2	1.3 b
	EPI-MW-2D-1104	11/30/2004	19 Jb	19	72	< 0.020 b	62	< 1	1.6 b
	MW-20-1104 (Dup)	11/30/2004	19 Jb	19	72	< 0.020 b	64	< 1	1.6 b
	EPI-MW-2D-0205	03/01/2005	16 Jb	19	67	< 0.020 b	51	< 1	1.3 b
	EPI-MW-20D-0205 (Dup)	03/01/2005	16 Jb	19	68	< 0.020 b	51	< 1	1.3 b
	EPI-MW-2D-0805	08/09/2005	22 Jb	20	72	< 0.020 b	52	< 1	1.2 b
	EPI-MW-5D-0805 (Dup)	08/09/2005	21 Jb	20	72	< 0.020 b	53	< 0.2	1.2 b
	EPI-MW-2D-0206	02/07/2006	18	20	67	< 0.020 b	45	< 1	0.99 b
	EPI-MW-2D-0806	08/14/2006	22	23	67	< 0.020 b	51	< 2	1.4 b
	EP1-MW-2D-0207	02/19/2007	20	26	78	< 0.020 b	40	< 1.0	0.49 b
	EPI-MW-2D-0807	08/14/2007	10	16	38	< 0.020 b	22	< 1.0	0.42 b
	EPI-MW-2D-0208	02/21/2008	23	32	91	< 0.020 b	27 bJ	< 0.2	0.76 b
	EPI-MW-2D-0808	08/05/2008	22	28	77	< 0.020 b	28	< 0.2	0.99 b
	EPI-MW-2D-0209	02/03/2009	28	34	80	< 0.020 b	28	< 0.2	1.2 b
	EPI-MW-2D-0809	08/27/2009	33	34	72	< 0.020 UJb	28	< 0.2	1.4 Jb
	EPI-MW-2D-0210	02/24/2010	28	29	60	< 0.020 b	18	< 0.2	0.79 b
	EPI-MW-2D-0810	08/25/2010	28	34	75	< 0.020 Jb	20	< 0.6	1.2 Jb
	EPI-MW-2D	03/01/2011	25	37	73	< 0.020 b	22	< 0.2	1.0 b
	EPI-MW-2D-0811	08/10/2011	20	34	70	< 0.020 b	19	< 0.2	0.90 b
	EPI-MW-2D-0212	02/15/2012	23	50	110	< 0.020 b	19	< 0.6	1.3 b
	EPI-MW-2D-0812	08/01/2012	18	46	87	< 0.020 b	23	< 0.4	1.1 b
	EPI-MW-2D-0213	02/13/2013	18	56	110	< 0.020 b	26	< 0.40	1.1 b
	EPI-MW-2D-0813	08/13/2013	20	60	120	< 0.02 b	27	< 0.2	1.6 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4
EPI-MW-3S (Shallow)	EPI-MW-3S-0204	02/23/2004	3.8 b	8.7	86	< 0.020 b	13	< 1	0.62 b
	EPI-MW-3S-0504	05/26/2004	2.9 b	6.2	61	< 0.020 b	13	2	0.39 b
	EPI-MW-3S-0804	08/27/2004	3.1 b	7.7	68	< 0.020 b	14	< 1	0.41 b
	EPI-MW-3S-1104	11/29/2004	2.3 b	5.8	51	< 0.020 b	12	< 1	0.37 b
	EPI-MW-3S-0205	03/01/2005	1.6 b	4.8	40	< 0.020 b	10	< 1	0.31 b
	EPI-MW-3S-0805	08/08/2005	1.5 b	5	39	< 0.020 b	11	< 1	0.27 b
	EPI-MW-3S-0206	02/06/2006	< 1.0	4.3	27	< 0.020 b	9.9	< 1	0.2 b
	EPI-MW-3S-0806	08/14/2006	0.8	5.1	32	< 0.020 b	10	< 0.6	0.27 b
	EP1-MW-3S-0207	02/19/2007	< 1.0	4.0	24	< 0.020 b	7.8	< 1.0	0.21 b
	EPI-3S-0807	08/13/2007	0.6	4.7	20	< 0.020 b	8.9	< 0.2	0.20 b
	EPI-MW-3S-0208	02/18/2008	0.6	6.3	34	< 0.020 b	7.9 bJ	< 0.2	0.25 b
	EPI-MW-3S-0808	08/05/2008	0.6	5.2	31	< 0.020 b	7.3	< 0.2	0.25 b
	EPI-MW-3S-0209	02/03/2009	< 0.2	< 0.2	1.4	< 0.020 b	4.0	< 0.2	0.26 b
	EPI-MW-3S-0809	08/27/2009	0.5	5.3	27	< 0.020 b	6.5	< 0.2	0.27 b
	EPI-MW-3S-0210	02/23/2010	0.4	5.6	25	< 0.020 b	5.3	< 0.2	0.23 b
	EPI-MW-3S-0810	08/25/2010	0.4	5.2	26	< 0.020 b	5.6 b	< 0.2	0.22 b
	EPI-MW-3S	03/01/2011	0.4	5.4	23	< 0.020 b	4.7	< 0.2	0.18 b
	EPI-MW-3S-0811	08/10/2011	0.3	3.7	20	< 0.020 b	3.6 b	< 0.2	0.11 b
	EPI-MW-3S-0212	02/15/2012	0.4	5	23	< 0.020 b	4.4	< 0.2	0.21 b
	EPI-MW-3S-0812	08/01/2012	0.35	4.7	21	< 0.020 b	3.4 b	< 0.2	0.18 b
	EPI-MW-3S-0213	02/13/2013	0.31	4.8	23	< 0.020 b	4.2 b	< 0.20	0.23 b
	EPI-MW-3S-0813	08/13/2013	0.39	5.2	26	< 0.02 b	3.1 b	< 0.2	0.26 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
EPI-MW-3D (Intermediate)	EPI-MW-3D-0204	02/25/2004	3.6 b	3.2	14	< 0.020 b	5.1	< 0.2	0.66 b
	EPI-MW-3D-0504	05/26/2004	3.9 b	2.7	12	< 0.020 b	5	< 0.6	0.45 b
	EPI-MW-3D-0804	08/26/2004	0.63 b	< 10	< 10	< 0.020 b	< 10	< 10	0.26 b
	EPI-MW-3D-1104	11/29/2004	5.5	3	13	< 0.020 b	5.1	< 0.4	0.47 b
	EPI-MW-3D-0205	03/01/2005	6.8 Jb	3.2	12	< 0.020 b	4.2	< 1	0.36 b
	EPI-MW-3D-0805	08/08/2005	7.1 Jb	3.7	13	< 0.020 b	4.4	< 0.6	0.22 b
	EPI-MW-3D-0206	02/06/2006	4.6	3.3	8.1	< 0.020 b	3.1 b	< 0.2	0.07 b
	EPI-MW-3D-0806	08/14/2006	4.4	2.7	9.2	< 0.020 b	3.3	< 0.2	0.21 b
	EP1-MW-3D-0207	02/19/2007	2.2	2.0	5.3	< 0.020 b	3.4 b	< 0.2	0.064 b
	EPI-MW-3D-0807	08/13/2007	2.2	2.0	5.0	< 0.020 b	3.2 b	< 0.2	0.063 b
	EPI-MW-3D-0208	02/18/2008	2.0	2.1	5.3	< 0.020 b	2.4 bJ	< 0.2	0.11 b
	EPI-MW-3D-0808	08/05/2008	2.0	2.1	6.4	< 0.020 b	2.6 b	< 0.2	0.14 b
	EPI-MW-3D-0209	02/03/2009	1.9	2.4	6.7	< 0.020 b	2.1 b	< 0.2	0.13 b
	EPI-MW-3D-0809	08/27/2009	1.6	2.2	6.9	< 0.020 b	1.8 b	< 0.2	0.18 b
	EPI-MW-3D-0210	02/23/2010	1.4	1.6	5.0	< 0.020 b	1.6 b	< 0.2	0.16 b
	EPI-MW-3D-0810	08/25/2010	1.5	1.6	6.9	< 0.020 b	1.8 b	< 0.2	0.12 b
	EPI-MW-3D-0811	03/01/2011	1.2	1.2	5.1	< 0.020 b	1.6 b	< 0.2	0.095 b
	EPI-MW-3D-0812	08/10/2011	0.6	0.7	3.9	< 0.020 b	0.98 b	< 0.2	0.043 b
	EPI-MW-3D-0212	02/15/2012	0.9	1.0	4.9	< 0.020 b	1.5 b	< 0.2	0.085 b
	EPI-MW-3D-0812	08/01/2012	0.71	0.95	3.9	< 0.020 b	1.3 b	< 0.2	0.086 b
EPI-MW-3D-0213	02/13/2013	1.6	1.3	7.3	< 0.020 b	1.5 b	< 0.20	0.15 b	
EPI-MW-3D-0813	08/13/2013	0.82	1.1	4.3	< 0.02 b	0.69 b	< 0.2	0.058 b	
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4
EPI-MW-4S (Shallow)	EPI-MW-4S-0204	02/23/2004	0.23 b	0.4	3.1	< 0.020 b	11	< 0.2	0.061 b
	EPI-MW-4S-0504	05/26/2004	0.2 b	0.2	3.4	< 0.020 b	9.8	< 0.2	0.051 b
	EPI-MW-4S (Dup)	05/26/2004	0.2 b	0.2	3.2	< 0.2 b	10	< 0.2	0.052 b
	EPI-MW-4S-0804	08/26/2004	0.21 b	0.3	3.7	< 0.020 b	11	< 0.2	0.051 b
	EPI-MW-4S-1104	11/29/2004	0.3	0.2	2.9	< 0.020 b	12	< 0.2	0.059 b
	EPI-MW-4S-0205	03/01/2005	0.21 b	0.2	3.4	< 0.020 b	12	< 0.2	0.061 b
	EPI-MW-4S-0805	08/08/2005	0.21 b	0.4	5.4	< 0.020 b	13	< 0.2	0.054 b
	EPI-MW-4S-0206	02/06/2006	0.3	0.3	2.5	< 0.020 b	12	< 0.2	0.039 b
	EPI-MW-4S-0806	08/14/2006	0.2	0.4	5	< 0.020 b	12	< 0.2	0.068 b
	EP1-MW-4S-0207	02/19/2007	< 0.2	< 0.2	1.9	< 0.020 b	8.4	< 0.2	0.047 b
	EPI-4S-0807	08/13/2007	< 0.2	< 0.2	1.5	< 0.020 b	7.9	< 0.2	0.064 b
	EPI-MW-4S-0208	02/18/2008	0.2	0.3	2.6	< 0.020 b	10	< 0.2	0.056 b
	EPI-MW-4S-0808	08/05/2008	< 0.2	0.3	3.6	< 0.020 b	7.5	< 0.2	0.042 b
	EPI-MW-4S-0209	02/03/2009	< 0.2	0.4	2.8	< 0.020 b	8.7	< 0.2	0.067 b
	EPI-MW-4S-0809	08/27/2009	0.2	0.3	3.9	< 0.020 b	8.0	< 0.2	0.076 b
	EPI-MW-4S-0210	02/23/2010	0.2	0.2	2.6	< 0.020 b	7.8	< 0.2	0.059 b
	EPI-MW-4S-0810	08/25/2010	< 0.2	0.3	4.3	< 0.020 Jb	6.8	< 0.2	0.064 Jb
	EPI-MW-4S	03/01/2011	< 0.2	0.2	2.8	< 0.020 b	6.3	< 0.2	0.042 b
	EPI-MW-4S-0811	08/10/2011	< 0.2	< 0.2	2.8	< 0.020 b	5.6	< 0.2	0.023 b
	EPI-MW-4S-0212	02/15/2012	< 0.2	< 0.2	1.5	< 0.020 b	5.4	< 0.2	0.027 b
EPI-MW-4S-0812	08/01/2012	< 0.2	< 0.2	2.1	< 0.020 b	4.3 b	< 0.2	0.036 b	
EPI-MW-4S-0213	02/13/2013	0.30	0.27	3.3	< 0.020 b	5.6	< 0.20	0.045 b	
EPI-MW-4S-0813	08/13/2013	< 0.2	0.2	2.7	< 0.02 b	6	< 0.2	0.046 b	
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
EPI-MW-4D (Intermediate)	EPI-MW-4D-0204	02/25/2004	0.037 b	< 0.2	0.4	< 0.020 b	< 0.2	< 0.2	0.022 b
	EPI-MW-4D-0504	05/26/2004	0.028 b	< 0.2	0.6	< 0.2 b	0.2	< 0.2	0.024 b
	EPI-MW-4D-0804	08/27/2004	0.031 b	< 0.2	0.7	< 0.020 b	0.2	< 0.2	0.025 b
	EPI-MW-4D-1104	11/29/2004	< 0.020 b	< 0.2	0.4	< 0.020 b	< 0.2	< 0.2	0.031 b
	EPI-MW-4D-0205	03/01/2005	< 0.020 b	< 0.2	0.6	< 0.020 b	< 0.2	< 0.2	0.053 b
	EPI-MW-4D-0505	05/31/2005	< 0.020 b	< 0.2	0.7	< 0.020 b	< 0.2	< 0.2	0.059 b
	EPI-MW-4D-0805	08/08/2005	< 0.020 b	< 0.2	0.8	< 0.020 b	< 0.2	< 0.2	0.052 b
	EPI-MW-4D-1105	11/16/2005	< 0.020 b	< 0.2	0.4	< 0.020 b	< 0.2	< 0.2	0.037 b
	EPI-MW-4D-0206	02/06/2006	< 0.2	< 0.2	0.2	< 0.020 b	0.036 b	< 0.2	0.048 b
	EPI-MW-4D-0806	08/15/2006	< 0.2	< 0.2	0.9	< 0.020 b	0.13 b	< 0.2	0.085 b
	EPI-MW-14D-0806 (Dup)	08/15/2006	< 0.2	< 0.2	1	< 0.020 b	0.13 b	< 0.2	0.082 b
	EP1-MW-4D-0207	02/19/2007	< 0.2	< 0.2	0.7	< 0.020 b	0.11 b	< 0.2	0.083 b
	EPI-MW-4D-0807	08/13/2007	< 0.2	< 0.2	0.3	< 0.020 b	0.056 b	< 0.2	0.058 b
	EPI-MW-4D-0208	02/19/2008	< 0.2	< 0.2	0.3	< 0.020 b	0.050 b	< 0.2	0.056 b
	EPI-MW-4D-0808	08/05/2008	< 0.2	< 0.2	0.6	< 0.020 b	0.10 b	< 0.2	0.073 b
	EPI-MW-4D-0209	02/03/2009	< 0.2	< 0.2	0.8	< 0.020 b	0.090 b	< 0.2	< 0.020 b
	EPI-MW-4D-0809	08/27/2009	< 0.2	< 0.2	0.9	< 0.020 b	0.10 b	< 0.2	0.12 b
	EPI-MW-4D-0210	02/23/2010	< 0.2	< 0.2	0.6	< 0.020 b	< 0.020 b	< 0.2	0.065 b
	EPI-MW-4D-0810	08/25/2010	< 0.2	< 0.2	1.0	< 0.020 b	0.092 b	< 0.2	0.080 Jb
	EPI-MW-4D	03/01/2011	< 0.2	< 0.2	1.0	< 0.020 b	0.060 b	< 0.2	0.063 b
	EPI-MW-4D-0811	08/10/2011	< 0.2	< 0.2	1.1	< 0.020 b	0.077 b	< 0.2	0.025 b
	EPI-MW-4D-0212	02/15/2012	< 0.2	< 0.2	0.9	< 0.020 b	0.036 b	< 0.2	0.051 b
	EPI-MW-4D-0812	08/01/2012	< 0.2	< 0.2	1.6	< 0.020 b	0.059 b	< 0.2	0.030 b
	EPI-MW-4D-0213	02/13/2013	< 0.20	< 0.20	1.3	< 0.020 b	0.041 b	< 0.20	0.025 b
	EPI-MW-4D-0813	08/14/2013	< 0.2	< 0.2	1.4	< 0.02 b	0.064 b	< 0.2	0.025 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
OTHER	Trip Blank	2/23-25/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	Trip Blank	5/25-26/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	Field Blank	05/26/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	Trip Blank	08/27/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	Trip Blank	11/30/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	TB-0205	02/07/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	TRIP BLANK-0505	05/17/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	Trip Blank-0805	08/03/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	Trip Blank2-0805	08/03/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	TRIP BLANK-1-1105	11/07/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	TRIP BLANK-2-1105	11/07/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	TRIP BLANK-1105	11/11/2005	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
	Trip Blank-1-0206	01/30/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK-2-0206	01/30/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK-0506	05/16/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK_0806	08/08/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK_0806B	08/08/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK-1106	11/07/2006	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK-1-0207	02/19/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK-2-0207	02/22/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK-0507	05/17/2007	< 0.2	NA	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TB-0807	08/13/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TB-1107	11/12/2007	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK_0508	05/19/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK_0808A	08/05/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK_0808B	08/07/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TB-1108_2	10/30/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TB-1108_1	11/04/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TBLANK_1208	12/05/2008	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TB-1-0509	05/13/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	Trip Blank_0809	08/25/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	Trip Blank_1109	11/10/2009	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	Trip Blank-0210	02/22/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANKS_0510	05/26/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	Trip Blank-0810	08/24/2010	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.020 b
	TB-0810	08/26/2010	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	Trip Blank_030711	02/28/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	Trip Blanks_0511	05/17/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	Trip Blank-0811	08/11/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	Trip Blank #1	11/29/2011	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	Trip Blanks_0212	02/14/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANKS	05/15/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANKS_0812	07/31/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TRIP BLANK_1112	11/14/2012	< 0.2	< 0.2	< 0.2	< 0.020 b	< 0.020 b	< 0.2	< 0.020 b
	TB-0213	02/12/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

**Table 3. Groundwater Quality: Volatile Organic Compounds
2004 to Present (Historic Data in Attachment E)**

Notes:

All results in µg/L.

Analyses by EPA Method 8260.

b - Analysis by SIM method.

g - Sample is a replacement sample, due to laboratory consistency issues from the initial sample.

h - Sample is a reanalysis due to atypical results from the initial sample.

B - This compound also detected in associated blank.

D - The reported result for this analyte is calculated based on a secondary dilution factor (i.e., results were derived from a laboratory-diluted sample).

E - The concentration of this analyte exceeded the instrument calibration range.

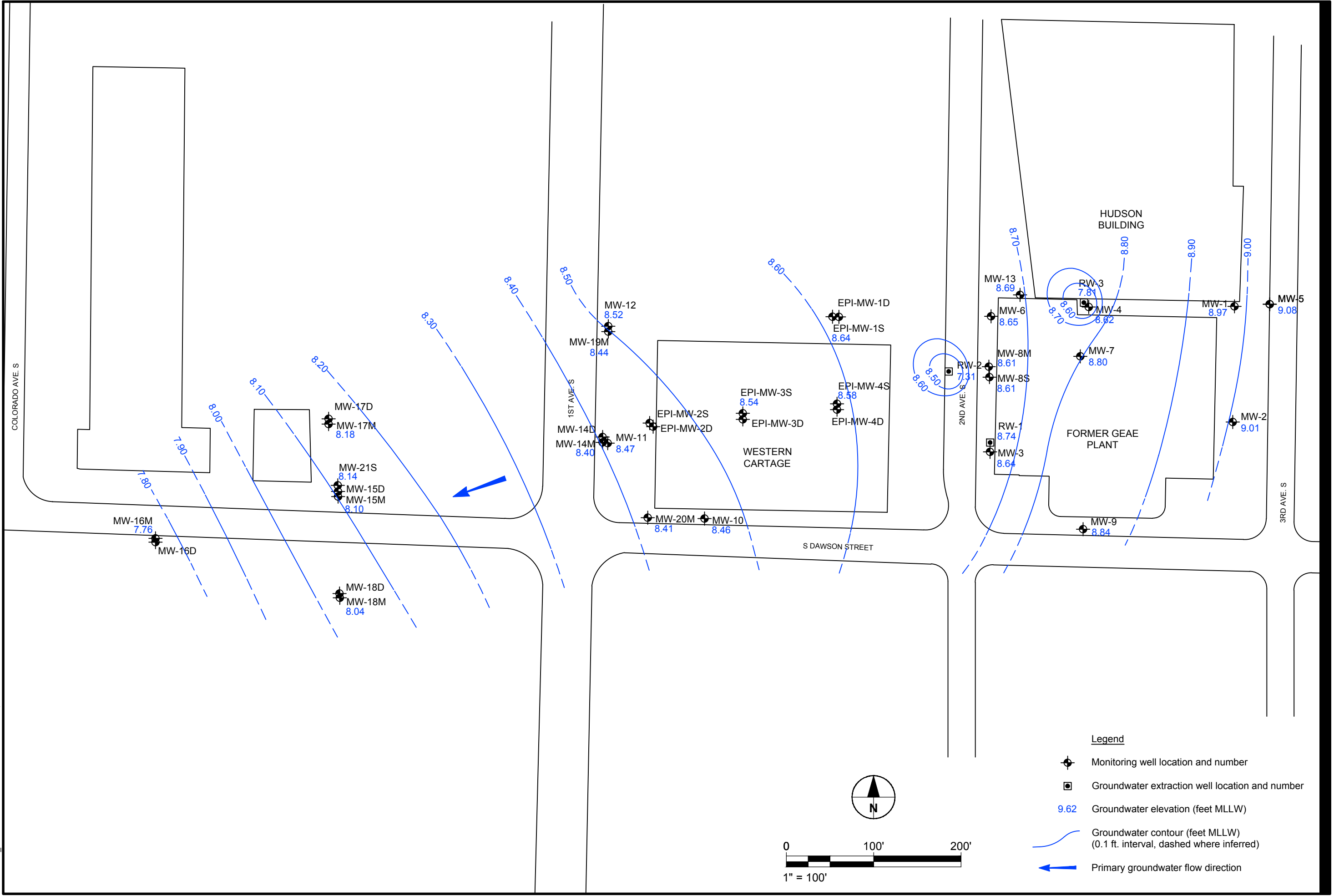
J - The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

UB - Analyte was detected in the associated trip blank. Based on data validation, sample result was reclassified as not detected.

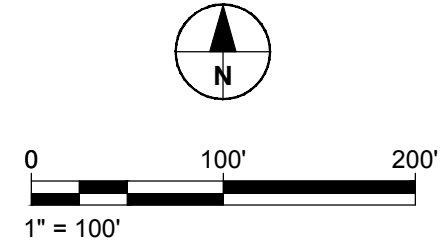
NA - Not Applicable.

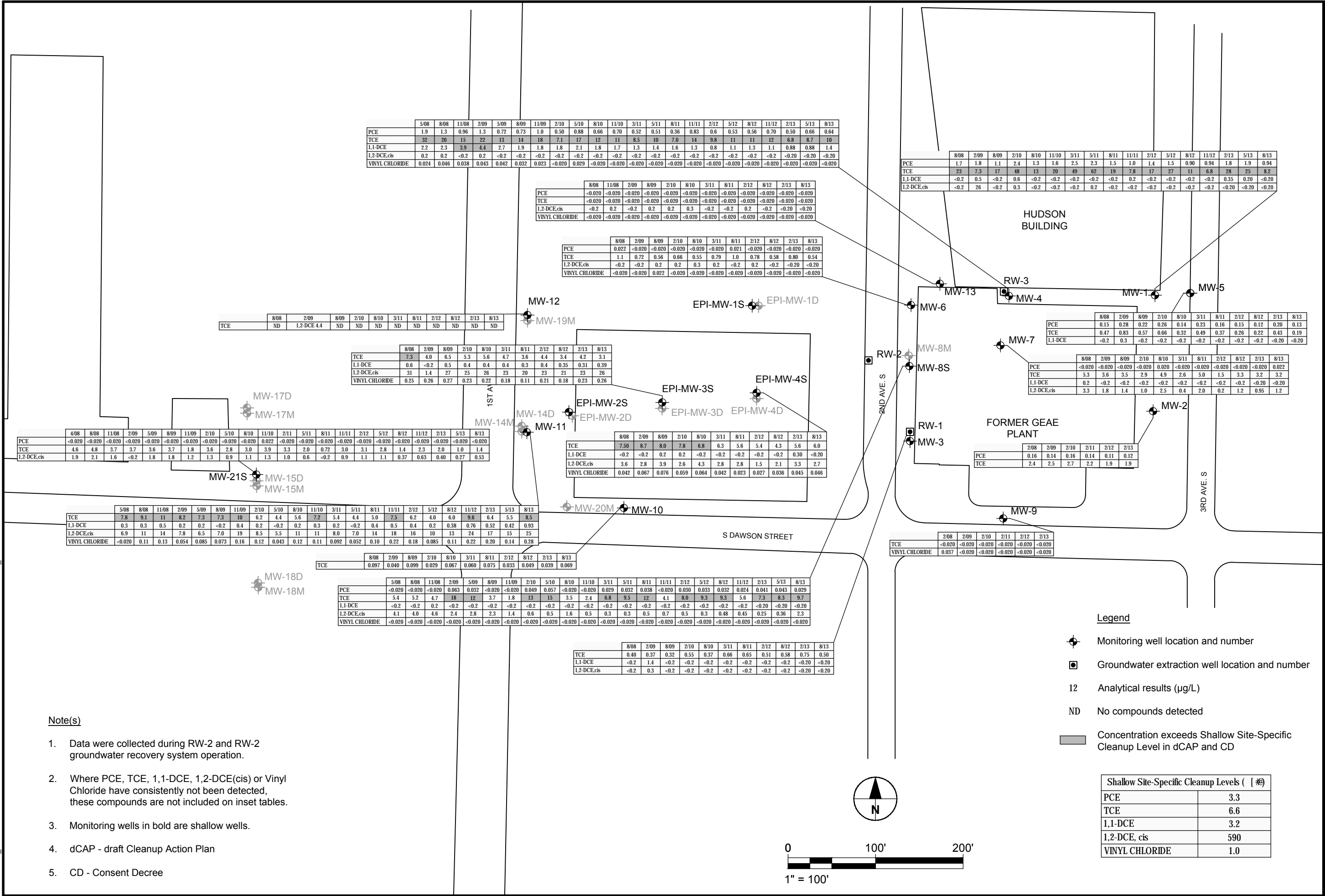
* - Well renamed with "S", "M", or "D" suffix to denote shallow, intermediate, and deep well, respectively.

Figures



- Legend**
- Monitoring well location and number
 - Groundwater extraction well location and number
 - 9.62 Groundwater elevation (feet MLLW)
 - Groundwater contour (feet MLLW) (0.1 ft. interval, dashed where inferred)
 - Primary groundwater flow direction



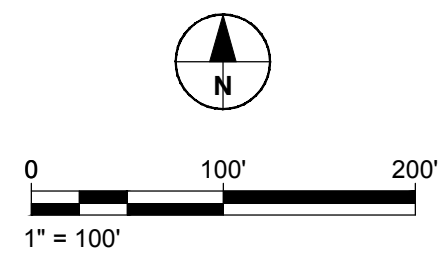


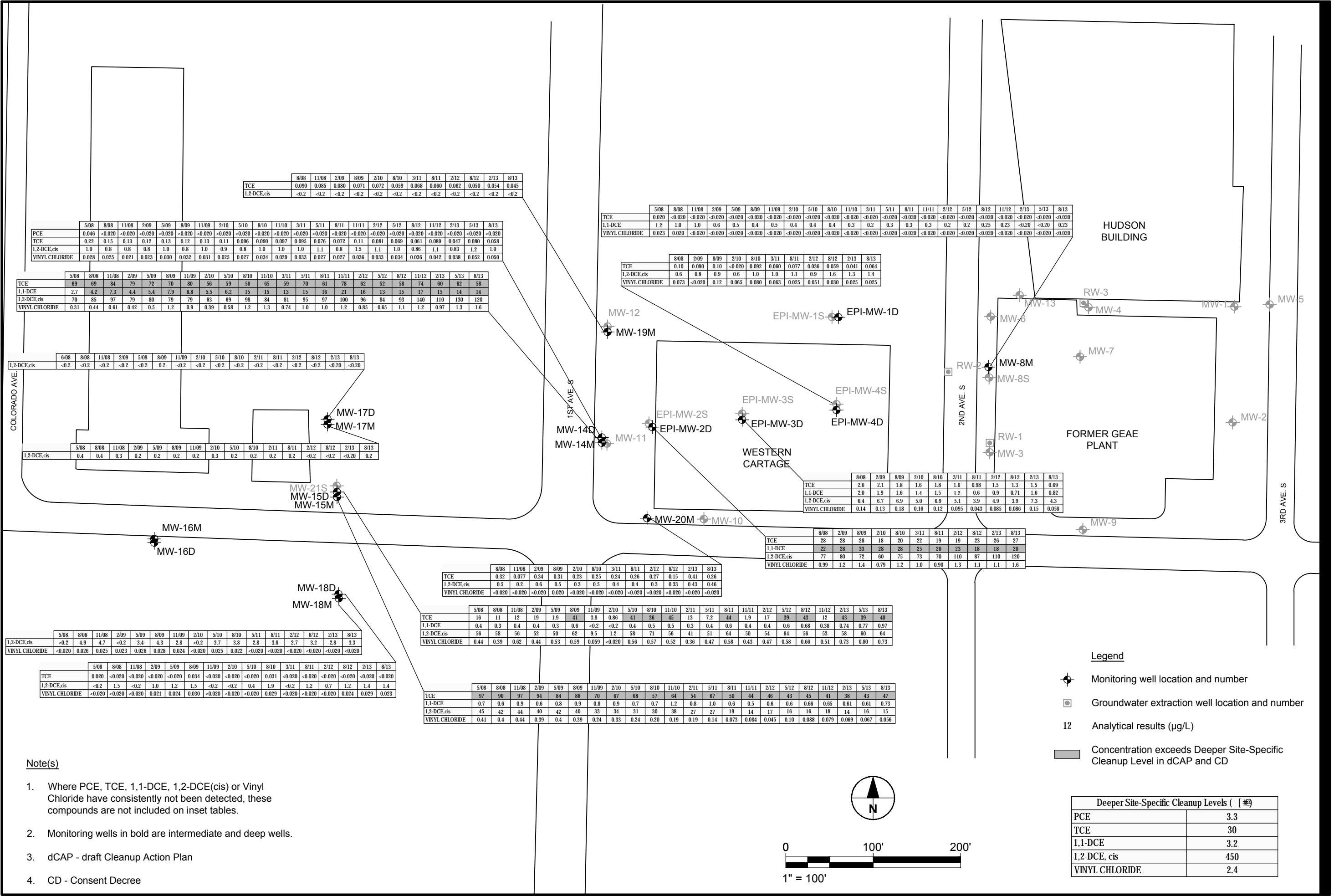
- Notes**
- Data were collected during RW-2 and RW-2 groundwater recovery system operation.
 - Where PCE, TCE, 1,1-DCE, 1,2-DCE(cis) or Vinyl Chloride have consistently not been detected, these compounds are not included on inset tables.
 - Monitoring wells in bold are shallow wells.
 - dCAP - draft Cleanup Action Plan
 - CD - Consent Decree

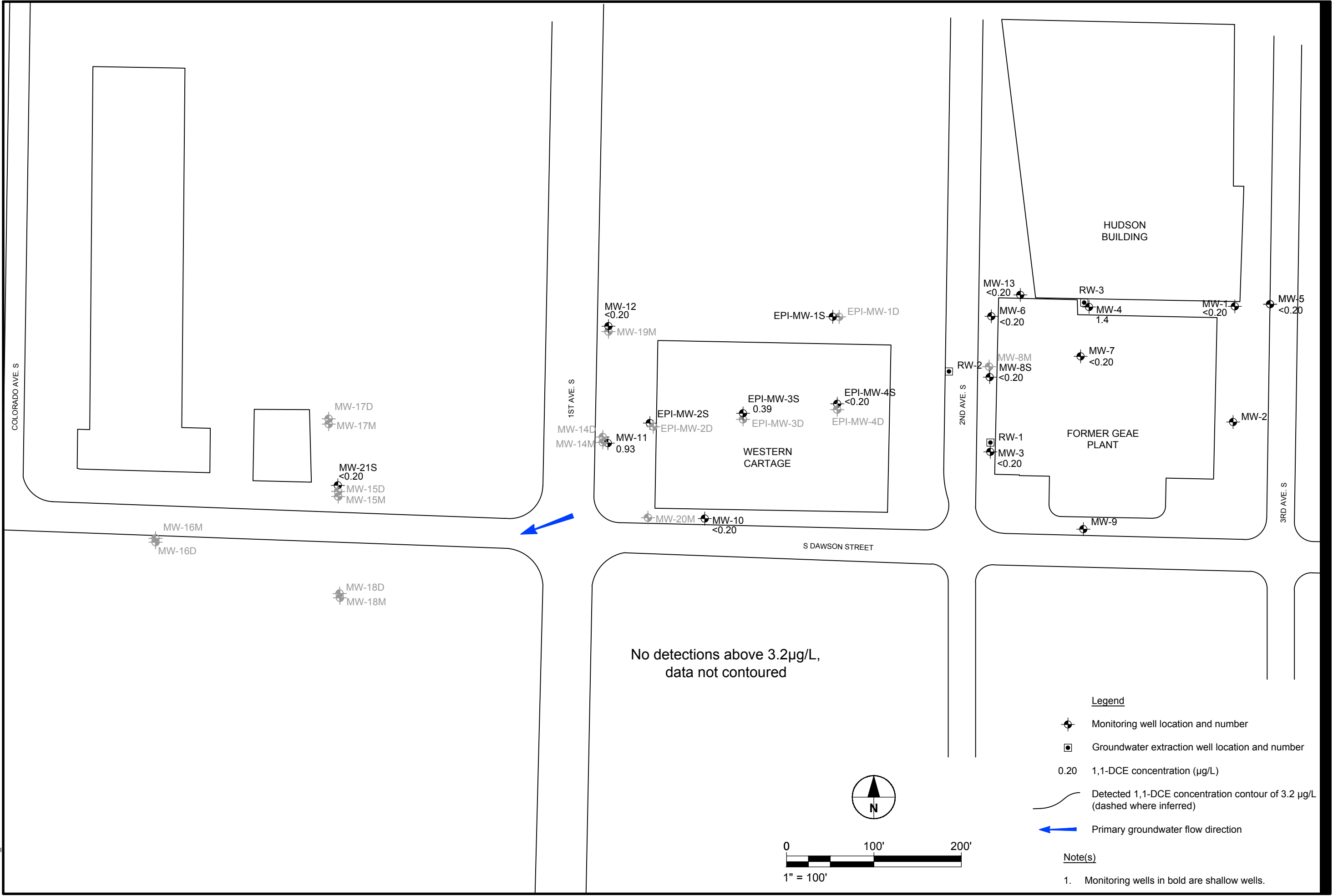
Legend

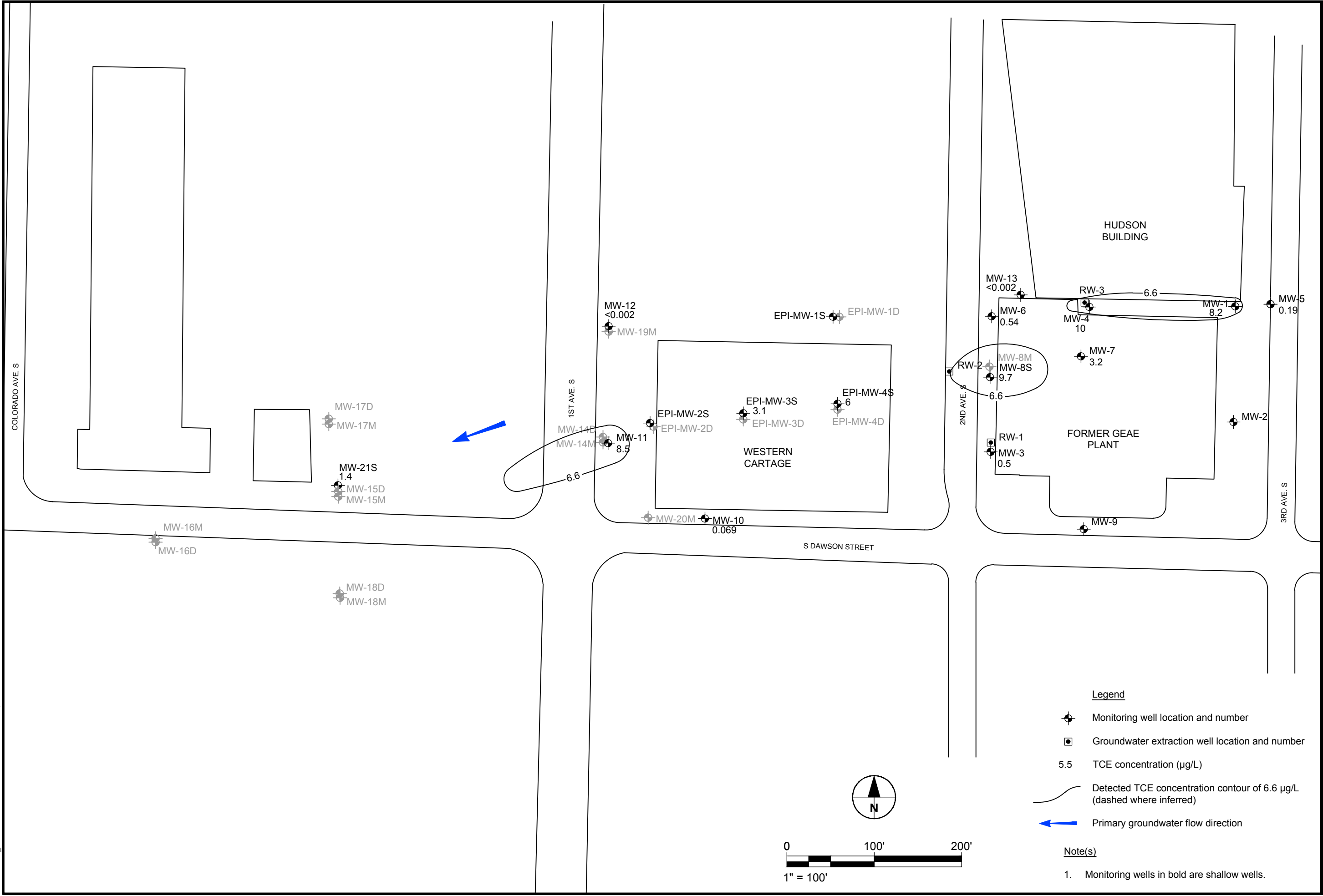
- Monitoring well location and number
- Groundwater extraction well location and number
- 12** Analytical results (µg/L)
- ND No compounds detected
- Concentration exceeds Shallow Site-Specific Cleanup Level in dCAP and CD

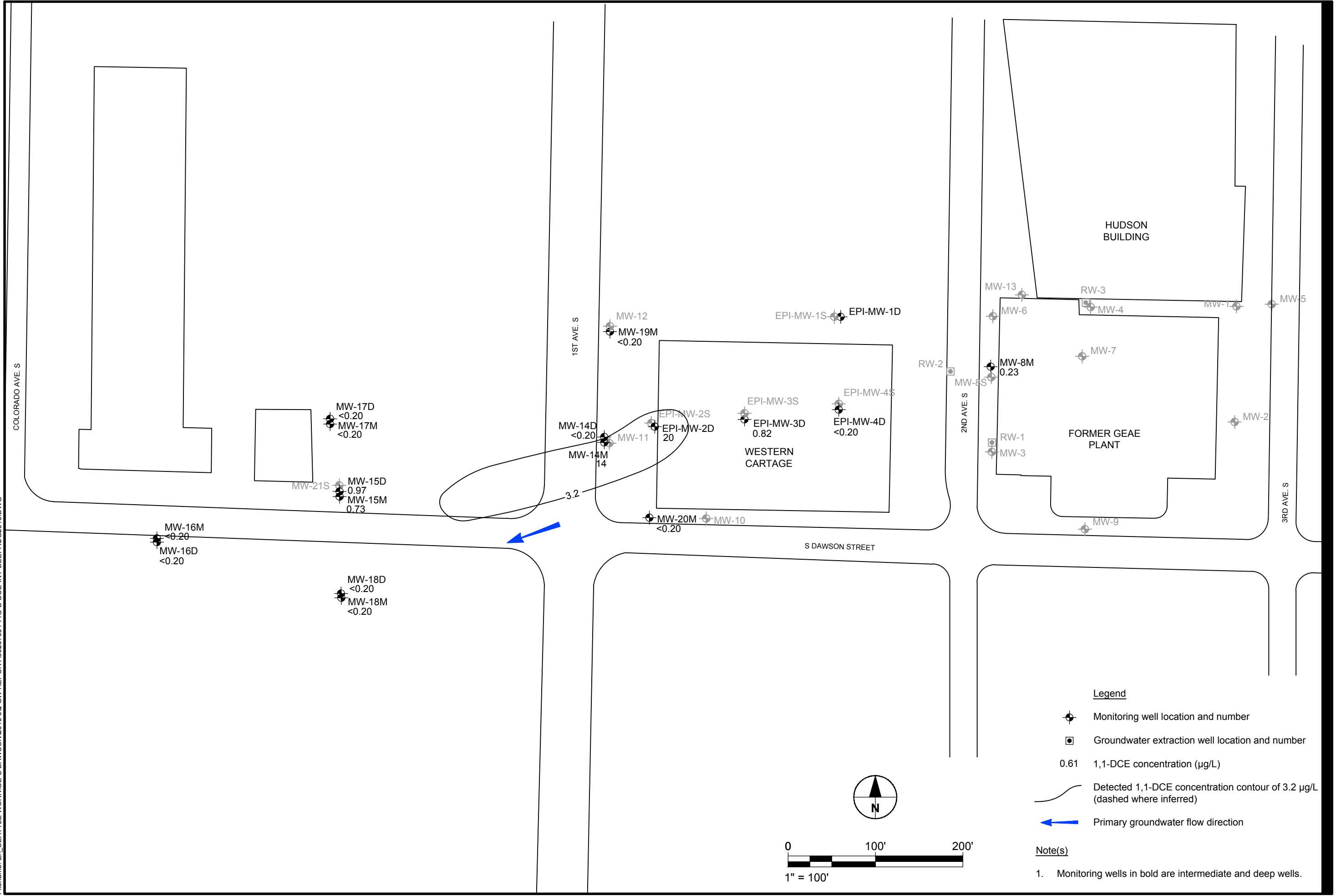
Shallow Site-Specific Cleanup Levels (µg/L)	
PCE	3.3
TCE	6.6
1,1-DCE	3.2
1,2-DCE, cis	590
VINYL CHLORIDE	1.0









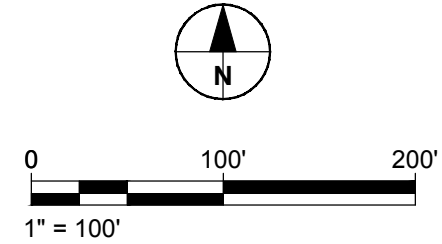


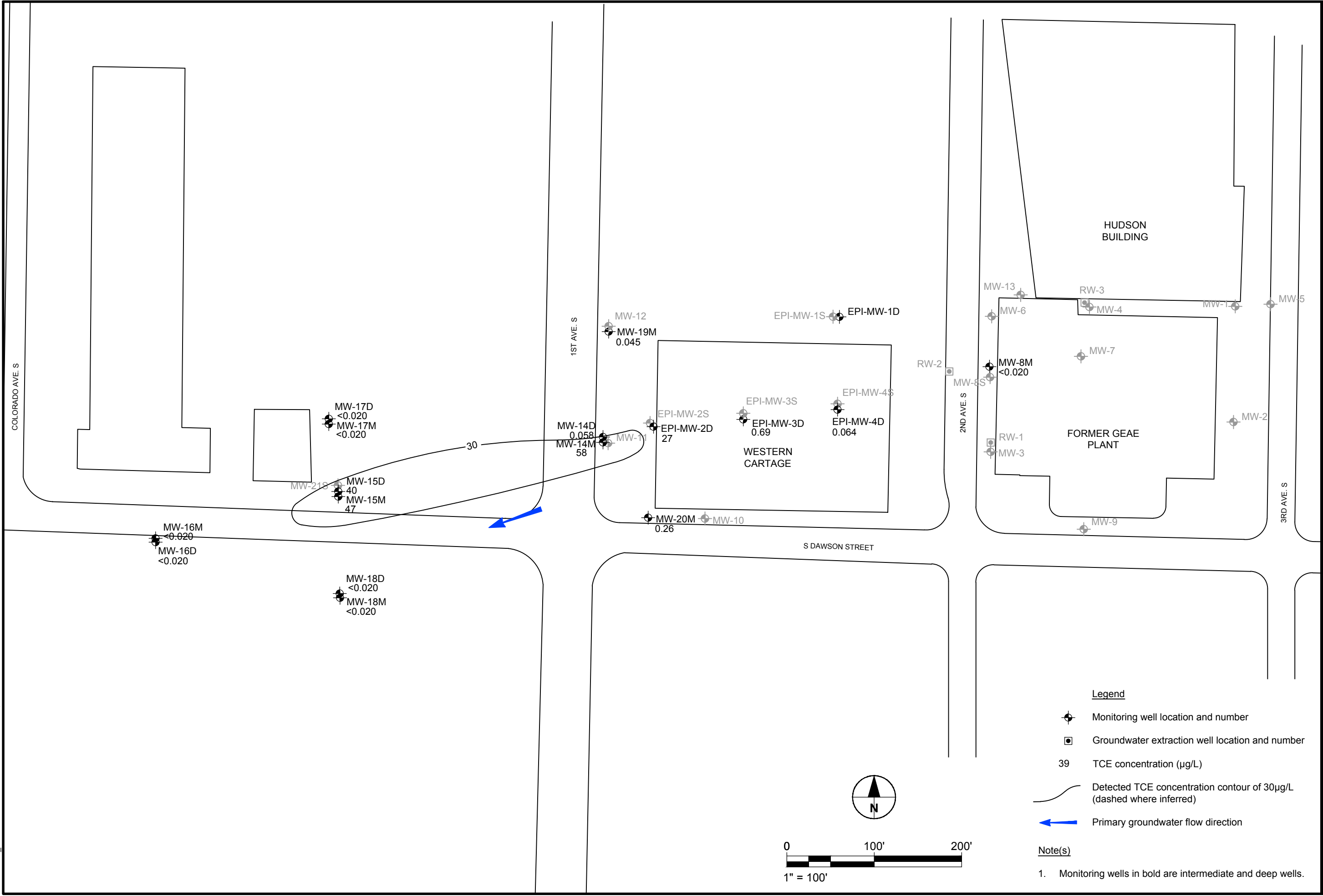
Legend

- Monitoring well location and number
- Groundwater extraction well location and number
- 0.61 1,1-DCE concentration (µg/L)
- Detected 1,1-DCE concentration contour of 3.2 µg/L (dashed where inferred)
- Primary groundwater flow direction

Note(s)

1. Monitoring wells in bold are intermediate and deep wells.





Attachment A
Pump Inlet Information

Table A-1. Pump Setting Information for Groundwater Sampling Events

Sample Location	TOC Elevation ¹	Depth of Low GW (feet - TOC PVC)	Elevation of Low GW (feet)	Total Well Depth (feet - TOC PVC) ²	Elevation of Well Depth (feet)	Elevation to Top of Screen (feet)	Elevation to Bottom of Screen (feet)	Screen Length (feet)	Pump Tubing Length (feet)	Required Pump Inlet Depth (feet TOC PVC) ³	Required Pump Inlet Elevation (feet)	Quarterly Pump Adjustment Required for Groundwater Sampling (feet upward)
MW-1	18.38	10.23	8.15	15.5	2.9	12.9	2.9	10	13.6	12.7	5.6	2.6
MW-2	18.22	10.05	8.17	15.3	2.9	12.9	2.9	10	13.7	12.7	5.6	2.6
MW-3	16.87	9.06	7.81	15.5	1.4	11.4	1.4	10	13.7	12.3	4.6	3.2
MW-4	19.54	12.28	7.26	16.6	2.9	12.9	2.9	10	14.7	14.2	5.3	2.2
MW-5	17.92	9.74	8.18	18.6	-0.7	14.3	-0.7	15	16.4	14.3	3.6	4.4
MW-6	17.74	9.80	7.94	18.4	-0.7	14.3	-0.7	15	16.7	14.3	3.4	4.3
MW-7	20.38	12.42	7.96	18.7	1.7	16.7	1.7	15	16.7	15.7	4.7	3.1
MW-8S ⁴	17.58	9.70	7.88	18.9	-1.3	13.7	-1.3	15	16.7	14.6	3.0	4.6
MW-8M	17.14	9.27	7.87	30.0	-12.9	-2.9	-12.9	10	25.5	25.5	-8.4	NA
MW-9	16.56	8.52	8.04	18.8	-2.2	12.8	-2.2	15	16.7	13.8	2.7	5.1
MW-10	17.44	9.71	7.73	14.6	2.8	12.8	2.8	10	12.7	12.3	5.1	2.4
MW-11	17.485	9.81	7.68	18.9	-1.4	13.6	-1.4	15	16.6	14.6	2.9	4.5
MW-12	17.75	10.02	7.73	19.0	-1.3	13.8	-1.3	15	17.1	14.8	3.0	4.5
MW-13	18.38	10.26	8.12	19.0	-0.6	14.4	-0.6	15	17.7	14.2	4.2	4.4
MW-14M ⁴	17.38	9.46	7.92	29.6	-12.2	-2.2	-12.2	10	24.6	24.6	-7.2	NA
MW-14D	16.9	8.78	8.12	54.7	-37.8	-27.8	-37.8	10	49.7	49.7	-32.8	NA
MW-15M ⁴	16.95	9.52	7.43	29.7	-12.8	-2.8	-12.8	10	24.7	24.7	-7.8	NA
MW-15D	16.62	9.92	6.70	54.7	-38.1	-28.1	-38.1	10	49.7	49.7	-33.1	NA
MW-16M ⁴	16.68	9.52	7.16	29.7	-13.0	-3.0	-13.0	10	24.7	24.7	-8.0	NA
MW-16D	16.545	9.25	7.30	54.6	-38.1	-28.1	-38.1	10	49.6	49.6	-33.1	NA
MW-17M	17.735	9.41	8.33	29.9	-12.2	-2.2	-12.2	10	24.5	24.9	-7.2	NA
MW-17D	17.795	10.18	7.62	54.8	-37.0	-27.0	-37.0	10	50.0	49.8	-32.0	NA
MW-18M	15.755	8.34	7.42	29.8	-14.0	-4.0	-14.0	10	24.5	24.8	-9.0	NA
MW-18D	15.545	8.14	7.41	54.9	-39.4	-29.4	-39.4	10	50.0	49.9	-34.4	NA
MW-19M	17.645	9.69	7.96	29.1	-11.5	-1.5	-11.5	10	24.5	24.1	-6.5	NA
MW-20M	17.625	9.69	7.94	29.6	-11.9	-1.9	-11.9	10	24.5	24.6	-6.9	NA
MW-21S	17.09	9.60	7.49	16.6	0.5	10.5	0.5	10	14.8	13.1	4.0	3.5

Notes:

1. Survey elevations based on Mean Lower Low Water NAVD 88 DATUM.
 2. Total well depths as measured.
 3. Required pump inlet depth based on placing pump inlet midway between the low water level and the bottom of the well (as measured).
 4. MW-8, MW-14S, MW-15S, and MW-16S have been renamed MW-8S, MW-14M, MW-15M, and MW-16M to denote well screen placement.
- TOC - Top of Outer Casing.
 NA - Not applicable, wells with submerged screens are not affected by changes in water level.

Attachment B
Groundwater Sampling Forms

Chain of Custody Record & Laboratory Analysis Request



Analytical Resources, Incorporated
 Analytical Chemists and Consultants
 4611 South 134th Place, Suite 100
 Tukwila, WA 98168
 206-695-6200 206-695-6201 (fax)

ARI Assigned Number:	Turn-around Requested: <i>Standard</i>	Page: <i>1</i> of <i>4</i>
ARI Client Company: <i>AECOM</i>	Phone: <i>206-624-9349</i>	Date: <i>08/15/13</i>
Client Contact: <i>Jason Palmer - jason.palmer@aecom.com</i>	No. of Coolers: <i>3</i>	Ice Present? <i>Y</i>
Client Project Name: <i>HE</i>	Cooler Temps: <i>1.7, 1.9, 0.7</i>	

Client Project #:	Samplers:	Analysis Requested							Notes/Comments
		VOCs	VOCs 8260	SIM:	PE, TCE, V				
<i>60237964-200.2</i>	<i>A. Spillone, Ashley L D. Kinney</i>	<i>X</i>	<i>X</i>						

Sample ID	Date	Time	Matrix	No. Containers	VOCs	VOCs 8260	SIM:	PE, TCE, V						
<i>MW-1-0813</i>	<i>8/14/13</i>	<i>1335</i>	<i>GW</i>	<i>5</i>	<i>X</i>	<i>X</i>								
<i>MW-3-0813</i>	<i>8/13/13</i>	<i>1330</i>		<i>5</i>	<i>X</i>	<i>X</i>								
<i>MW-4-0813</i>	<i>8/15/13</i>	<i>1225</i>		<i>5</i>	<i>X</i>	<i>X</i>								
<i>MW-5-0813</i>	<i>8/14/13</i>	<i>1255</i>		<i>5</i>	<i>X</i>	<i>X</i>								
<i>MW-6-0813</i>	<i>8/13/13</i>	<i>1640</i>		<i>5</i>	<i>X</i>	<i>X</i>								
<i>MW-7-0813</i>	<i>8/13/13</i>	<i>1240</i>		<i>5</i>	<i>X</i>	<i>X</i>								
<i>MW-8S-0813</i>	<i>8/13/13</i>	<i>1530</i>		<i>5</i>	<i>X</i>	<i>X</i>								
<i>MW-8M-0813</i>	<i>8/13/13</i>	<i>1615</i>		<i>5</i>	<i>X</i>	<i>X</i>								
<i>MW-10-0813</i>	<i>8/13/13</i>	<i>1710</i>		<i>5</i>	<i>X</i>	<i>X</i>								
<i>MW-11-0813</i>	<i>8/14/13</i>	<i>1500</i>	<i>V</i>	<i>5</i>	<i>X</i>	<i>X</i>								

Comments/Special Instructions	Relinquished by: (Signature) <i>Ardith Leonard</i>	Received by: (Signature) <i>Jennifer Millsap</i>	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: <i>Ardith Leonard</i>	Printed Name: <i>Jennifer Millsap</i>	Printed Name:	Printed Name:
	Company: <i>AECOM</i>	Company: <i>ARI</i>	Company:	Company:
	Date & Time: <i>08/15/13 @ 1510</i>	Date & Time: <i>8/15/13 1510</i>	Date & Time:	Date & Time:

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 Tukwila, WA 98168
 206-695-6200 206-695-6201 (fax)

ARI Assigned Number:	Turn-around Requested: <i>Standard</i>	Page: <i>2</i> of <i>4</i>
ARI Client Company: <i>AECOM</i>	Phone: <i>206-624-9349</i>	Date: <i>08/15/13</i>
Client Contact: <i>Toson Palmer</i>		Ice Present? <i>Y</i>
Client Project Name: <i>AE</i>		No. of Coolers: <i>3</i>
Client Project #: <i>60237964-200.2</i>	Samplers: <i>A. Gilman</i> <i>D. Kinney</i>	Cooler Temps: <i>1.7, 1.9, 0.9</i>

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested						Notes/Comments	
					VOCs	SVOCs	SEM	PCE, TCE, VC				
MW-12-0813	8/14/13	1725	GW	5	X	X						
MW-13-0813	8/13/13	1720		5	X	X						
MW-14M-0813	8/14/13	1535		5	X	X						
MW-14D-0813	8/14/13	1615		5	X	X						
MW-15M-0813	8/14/13	1030		5	X	X						
MW-15D-0813	8/14/13	0950		5	X	X						
MW-16M-0813	8/14/13	1225		5	X	X						
MW-16D-0813	8/14/13	1150		15	X	X						MS/MSD
MW-17M-0813	8/14/13	1405		5	X	X						
MW-17D-0813	8/14/13	1330	✓	5	X	X						

Comments/Special Instructions	Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: <i>A. Gilman</i>	Printed Name: <i>Jennifer Wilkerson</i>	Printed Name:	Printed Name:
	Company: <i>AECOM</i>	Company: <i>ARI</i>	Company:	Company:
	Date & Time: <i>08/15/13 @ 1510</i>	Date & Time: <i>8/15/13 1510</i>	Date & Time:	Date & Time:

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 4611 South 134th Place, Suite 100
 Tukwila, WA 98168
 206-695-6200 206-695-6201 (fax)

ARI Assigned Number:		Turn-around Requested: <i>Standard</i>			Page: <i>3</i> of <i>4</i>									
ARI Client Company: <i>AECOM</i>		Phone: <i>206-624-9349</i>			Date: <i>08/15/13</i>	Ice Present? <i>4</i>								
Client Contact: <i>Jason Palmer</i>		No. of Coolers: <i>3</i>			Cooler Temps: <i>1.7, 1.9, 0.7</i>									
Client Project Name: <i>Jason Palmer CQE</i>		Analysis Requested				Notes/Comments								
Client Project #: <i>60237964-200.2</i>	Samplers: <i>A. Sebborn</i> <i>D. Kinney</i>													
Sample ID	Date	Time	Matrix	No. Containers	VOCs	SIAI	PCP, TCE, VC							
MW-18M-0813	8/14/13	1605	MW	15	X	X								MS/MSD
MW-18D-0813	8/14/13	1520		5	X	X								
MW-19M-0813	8/15/13	1130		5	X	X								
MW-20M-0813	8/14/13	1720		5	X	X								
MW-21S-0813	8/14/13	0900		5	X	X								
EPI-MW-2D-0813	8/12/13	1345		5	X	X								USE this sample ID*
EPI-MW-3S-0813	8/13/13	1200		5	X	X								
EPI-MW-3D-0813	8/13/13	1245		5	X	X								
EPI-MW-4S-0813	8/13/13	1515		5	X	X								
EPI-MW-4D-0813	8/14/13	1045	✓	5	X	X								
Comments/Special Instructions <i>* Label's sample ID is missing MW.</i>	Relinquished by:			Received by:			Relinquished by:			Received by:				
	(Signature) <i>Abdulhamid Sebborn</i>			(Signature) <i>Jennifer Milligan</i>			(Signature)			(Signature)				
	Printed Name: <i>Abdulhamid Sebborn</i>			Printed Name: <i>Jennifer Milligan</i>			Printed Name:			Printed Name:				
	Company: <i>AECOM</i>			Company: <i>ARI</i>			Company:			Company:				
Date & Time: <i>08/15/13 @ 1510</i>			Date & Time: <i>8/15/13 1510</i>			Date & Time:			Date & Time:					

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ARI Assigned Number:	Turn-around Requested: <i>Standard</i>	Page: <i>1</i> of <i>4</i>
ARI Client Company: <i>AECOM</i>	Phone: <i>206-624-9349</i>	Date: <i>08/15/13</i>
Client Contact: <i>Jason Palmer</i>	No. of Coolers: <i>3</i>	Ice Present? <input checked="" type="checkbox"/>
Client Project Name: <i>GTE</i>		Cooler Temps: <i>1.7, 1.9, 0.7</i>

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested								Notes/Comments	
					VOCs	VOCs	SIM	PCP	TCF	VE				
MW-400-0813	8/15/13	1330	GW	5	X	X								
MW-1407-0813	8/14/13	1700	GW	5	X	X								
MW-2105-0813	8/14/13	0915	GW	5	X	X								
TB-0813	-	-	W	4	X									

Comments/Special Instructions	Relinquished by: (Signature) <i>Abdullah Silbore</i>	Received by: (Signature) <i>Jennifer Miller</i>	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: <i>Abdullah Silbore</i>	Printed Name: <i>Jennifer Miller</i>	Printed Name:	Printed Name:
	Company: <i>AECOM</i>	Company: <i>ARI</i>	Company:	Company:
	Date & Time: <i>08/15/13 @ 1510</i>	Date & Time: <i>08/15/13 1510</i>	Date & Time:	Date & Time:

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WELL GAUGING LOG (pg 2 of 2)

GE S. DAWSON

Date: 8/13/2013

WELL NUMBER	TIME WELL OPENED	INITIAL DTW (ft)	TIME	Measurement to Top of PVC Casing				Remarks
				DTW (ft)	May 2013 DTW (ft)	Aug 2012 DTW (ft)	TWD (ft)	
MW-16D	1014	8.73	1029	8.73	8.21	8.42	55.00	
MW-17M	0951	9.56	1006	9.56	8.95	9.20	30.00	
MW-17D	0953	9.71	1008	9.71	9.08	9.34	55.00	
MW-18M	1019	7.72	1035	7.72	7.16	7.39	30.00	
MW-18D	1021	7.56	1036	7.56	6.91	7.24	55.00	
MW-19M	0907	9.21	0922	9.21	8.45	8.81	30.00	
MW-20M	0855	9.22	0911	9.22	8.48	8.80	30.00	
MW-21S	0946	8.95			8.34	8.58	16.00	
EPI-1S	1055	9.65	1110	9.65	8.86	9.25	15.00	
EPI-1D	1053	9.61	1108	9.61	8.84	9.18	30.00	
EPI-2S	—	—	—	Dry.	DRY	DRY	15.00	DTB:
EPI-2D	1029	10.38	1051	10.38	9.83	9.95	30.00	
EPI-3S	1036	10.87	1056	10.87	10.11	10.45	15.00	
EPI-3D	1037	10.89	1058	10.89	10.13	10.47	30.00	
EPI-4S	1040	10.75	1103	10.75	9.97	10.32	15.00	
EPI-4D	1043	10.76	1106	10.76	9.99	10.34	30.00	
RW-1	0916	6.08			5.34	5.68	21.00	
RW-2	0920	8.12			7.05	7.45	22.00	Flow Rate: 5.94
RW-3	0938	10.12			9.78	9.82		Flow Rate: 9.59

highlighted locations = gauge twice

WELL GAUGING LOG (pg 1 of 2)



Project Name: GE S. Dawson St.

Date: 8/13/2013

Project No. 60237964-200.2

Gauged by: Ghani S. & Dean K.

Weather: Overcast

Events: Semi-annual GW Gauging and Sampling

WELL NUMBER	TIME WELL OPENED	INITIAL DTW (ft)	TIME	Measurement to Top of PVC Casing				Remarks
				DTW (ft)	May 2013 DTW (ft)	Aug 2012 DTW (ft)	TWD (ft)	
MW-1	0934	9.41			8.79	8.98	16.50	
MW-2	0932	9.21			8.40	8.78	16.50	
MW-3	0910	8.23			7.42	7.78	16.00	
MW-4	0936	10.92			10.24	10.52	17.00	
MW-5	0929	8.84			8.08	8.38	20.00	
MW-6	0858	9.09			8.28	8.65	20.00	
MW-7	0930	11.58			10.86	11.19	20.00	
MW-8S	0901	8.97			8.01	8.54	19.00	
MW-8M	0903	8.80	0945	8.80	8.19	8.35	20.00	
MW-9	0925	7.72			6.94	7.30	20.00	
MW-10	0954	8.98			8.23	8.57	19.00	
MW-11	0858	9.02			8.39	8.69	20.00	
MW-12	0905	9.23			8.53	8.85	20.00	
MW-13	0906	9.69			8.93	9.26	19.00	
MW-14M	0901	8.98	0916	8.98	8.23	8.57	30.00	
MW-14D	0903	8.52	0918	8.52	7.81	8.11	55.00	
MW-15M	0944	8.85	0959	8.85	7.93	8.50	30.00	
MW-15D	0942	8.54	0957	8.53	8.25	8.19	55.00	
MW-16M	1012	8.92	1027	8.93	8.41	8.59	30.00	

Note: Total well depth = TWD

Depth to Water = DTW

highlighted locations = gauge twice

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-1
 SAMPLED BY M.G. D.K. (G.S)
 WEATHER Sunny 81°F

WELL INFORMATION		
DEPTH TO WATER	(ft) TOC	9.42
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		
PUMP ADJUSTMENT	2.6 (ft)	NOTE: Only on Shallow Wells

Comments

If DTW > 10.23 ft. re-calculate the pump adjustment

DTW NM due to pump adjustment

PURGE DATA

START PURGE TIME:	1309										
TIME	1319	1322	1325	1328	1331	1333					
DTW (Ft-TOC)	NM	—————>									
FLOW RATE (mL/min)	250	—————>									
TEMPERATURE (°C)	17.54	17.30	17.28	17.29	17.31	17.20					
CONDUCTIVITY (uS/cm)	458	451	445	440	440	438					
D. O. (mg/L)	1.99	1.66	1.50	1.33	1.22	1.28					
pH (units)	5.97	5.97	5.98	6.00	6.02	6.02					
ORP (mv)	85.7	87.1	88.0	87.6	87.9	88.5					
TURBIDITY (NTU)	1.18	0.72	0.79	0.49	0.51	0.43					

PURGE DATA Continued from Above

TIME											
DTW (Ft-TOC)											
FLOW RATE (mL/min)											
TEMPERATURE (°C)											
CONDUCTIVITY (uS/cm)											
D. O. (mg/L)											
pH (units)											
ORP (mv)											
TURBIDITY (NTU)											

PURGE AND SAMPLE EQUIPT: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-1-0813	1335	VOC (Method 8260)	40 mL	3	HCL
MW-1-0813	1335	VOC (Method 8260 SIM: TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

Do not table.

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/13/2013

WELL NO. MW-3
 SAMPLED BY M.G. D.K. G.S.
 WEATHER Clear, 80°F

WELL INFORMATION		
DEPTH TO WATER	(ft) TOC	5.20
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		OK
PUMP ADJUSTMENT	3.2 (ft)	NOTE: Only on Shallow Wells

Comments

If DTW > 9.06 ft. re-calculate the pump adjustment

PURGE DATA										
START PURGE TIME:	1301									
TIME	1316	1319	1317	1325	1326					
DTW (ft-TOC)	8.23	8.24	8.24	8.24	8.24					
FLOW RATE (mL/min)	3.50									
TEMPERATURE (°C)	17.2	17.3	17.3	17.3	17.3					
CONDUCTIVITY (uS/cm)	249	249	249	249	249					
D. O. (mg/L)	0.49	0.47	0.46	0.45	0.45					
pH (units)	6.16	6.16	6.16	6.16	6.16					
ORP (mv)	73.3	72.8	72.7	72.5	72.4					
TURBIDITY (NTU)	4.51	2.19	1.99	1.97	1.88					

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIPT: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW- 3 -0813	1330	VOC (Method 8260)	40 mL	3	HCL
MW- 3 -0813	1330	VOC (Method 8260 SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/15/2013

WELL NO. MW-4
 SAMPLED BY M.G. D.K. (G.S.)
 WEATHER cloudy, light rain 75°F

WELL INFORMATION		
DEPTH TO WATER	(ft) TOC	10.93
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		
PUMP ADJUSTMENT	3.8 (ft)	NOTE: Only on Shallow Wells

Comments
 If DTW > 12.28 ft. re-calculate the pump adjustment
 DTW = NM due to pump adjustment.

PURGE DATA										
START PURGE TIME:	1156									
TIME	1206	1209	1212	1215	1218	1221				
DTW (ft-TOC)	NM									
FLOW RATE (mL/min)	260									
TEMPERATURE (°C)	17.47	17.52	17.48	17.45	17.43	17.40				
CONDUCTIVITY (uS/cm)	360	368	368	367	365	364				
D. O. (mg/L)	3.81	3.38	3.08	2.79	2.63	2.62				
pH (units)	6.23	6.22	6.20	6.18	6.18	6.17				
ORP (mv)	44.8	53.2	60.7	67.4	71.4	74.1				
TURBIDITY (NTU)	10.2	7.60	5.56	4.27	3.16	2.84				

PURGE DATA Continued from Above										
TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump									

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-4-0813	1225	VOC (Method 8260)	40 mL	6	HCL
MW-4-0813	1225	VOC (Method 8260) SIM : TCE, PCE, Vinyl Chloride)	40 mL	4	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:
 Collect Duplicate MW-400-0813 @ 1330

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-5
 SAMPLED BY M.G. D.K. G.S.
 WEATHER partly cloudy 75°F.

WELL INFORMATION		
DEPTH TO WATER	(ft) TOC	8.87
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		No boulders
PUMP ADJUSTMENT	4.4 (ft)	NOTE: Only on Shallow Wells

Comments

If DTW > 9.74 ft. re-calculate the pump adjustment
 DTW not measured (MN) due to pump adjustment.

PURGE DATA

START PURGE TIME:	1206										
TIME	1216	1219	1222	1225	1228	1231	1246	1249	1252		
DTW (ft-TOC)	NM										
FLOW RATE (mL/min)	250										
TEMPERATURE (°C)	17.13	17.16	17.20	17.24	17.21	17.21	17.47	17.69	17.70		
CONDUCTIVITY (uS/cm)	386	385	386	387	387	387	391	392	394		
D. O. (mg/L)	0.56	0.54	0.34	0.31	0.29	0.28	0.20	0.20	0.20		
pH (units)	5.94	5.96	5.98	5.99	6.01	6.02	6.07	6.07	6.08		
ORP (mv)	33.4	42.9	44.4	47.4	51.2	53.5	60.8	61.4	62.0		
TURBIDITY (NTU)	18.0	12.4	9.03	9.00	5.98	3.38	2.56	2.39	2.55		

PURGE DATA Continued from Above

TIME											
DTW (ft-TOC)											
FLOW RATE (mL/min)											
TEMPERATURE (°C)											
CONDUCTIVITY (uS/cm)											
D. O. (mg/L)											
pH (units)											
ORP (mv)											
TURBIDITY (NTU)											

PURGE AND SAMPLE EQUIPT: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW- 5 -0813	1255	VOC (Method 8260)	40 mL	3	HCL
MW- 5 -0813	1255	VOC (Method 8260) SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/13/2013

WELL NO. MW-6
 SAMPLED BY M.G. D.K. G.S.
 WEATHER Clear, 85°F

WELL INFORMATION		
DEPTH TO WATER	(ft) TOC	9.05
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		ok
PUMP ADJUSTMENT	4.3 (ft)	NOTE: Only on Shallow Wells

Comments

If DTW > 9.80 ft. re-calculate the pump adjustment

PURGE DATA

START PURGE TIME:	1622									
TIME	1632	1635	1638							
DTW (ft-TOC)	9.05									
FLOW RATE (mL/min)	300									
TEMPERATURE (°C)	17.3	17.3	17.2							
CONDUCTIVITY (uS/cm)	384	384	376							
D. O. (mg/L)	0.77	0.76	0.82							
pH (units)	6.40	6.40	6.41							
ORP (mv)	-294	-299	-317							
TURBIDITY (NTU)	18.8	18.8	17.6							

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIPT: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW- 6 -0813	1640	VOC (Method 8260)	40 mL	3	HCL
MW- 6 -0813	1640	VOC (Method 8260 SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/12/2013

WELL NO. MW-7
 SAMPLED BY M.G. (D.K.) G.S.
 WEATHER Clear 75°F

WELL INFORMATION		
DEPTH TO WATER	(ft) TOC	11.58
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		OK
PUMP ADJUSTMENT	3.1 (ft)	NOTE: Only on Shallow Wells

Comments

If DTW > 12.42 ft. re-calculate the pump adjustment

PURGE DATA

START PURGE TIME:	12:15									
TIME	1725	1728	1731	1734	1735					
DTW (ft-TOC)	11.58									
FLOW RATE (mL/min)	300									
TEMPERATURE (°C)	16.7	16.7	16.6	16.6	16.6					
CONDUCTIVITY (uS/cm)	776	776	776	776	776					
D. O. (mg/L)	0.84	0.78	0.79	0.78	0.76					
pH (units)	6.75	6.76	6.76	6.77	6.78					
ORP (mv)	77	72	53	51	48					
TURBIDITY (NTU)	9.83	8.80	7.93	7.71	7.59					

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW- 7-0813	1242	VOC (Method 8260)	40 mL	3	HCL
MW- 7-0813	1240	VOC (Method 8260 SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/12/2013

WELL NO. MW-8S
 SAMPLED BY M.G. D.K. G.S.
 WEATHER Clear, 87°F

WELL INFORMATION		
DEPTH TO WATER	(ft) TOC	8.95
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		OK
PUMP ADJUSTMENT	4.6 (ft)	NOTE: Only on Shallow Wells

Comments

If DTW > 9.70 ft. re-calculate the pump adjustment

PURGE DATA

START PURGE TIME:	1504									
TIME	1522	1525	1528							
DTW (ft-TOC)	9.15	9.18	9.20							
FLOW RATE (mL/min)	350	250	200							
TEMPERATURE (°C)	17.9	17.9	18.0							
CONDUCTIVITY (uS/cm)	295	295	295							
D. O. (mg/L)	1.97	1.91	1.86							
pH (units)	6.77	6.78	6.78							
ORP (mv)	64	63	61							
TURBIDITY (NTU)	OR									

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-8S-0813	1530	VOC (Method 8260)	40 mL	3	HCL
MW-8S-0813	1530	VOC (Method 8260 SIM: TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

OR - overrange

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/2/2013

WELL NO. MW-8M
 SAMPLED BY M.G. D.K. G.S.
 WEATHER Clear, 95°F

WELL INFORMATION	
DEPTH TO WATER (ft) TOC	8.76
DEPTH OF WELL (ft)	
WELL DIAMETER (inches)	2
FEET OF WATER	
WELL CONDITION	ok
PUMP ADJUSTMENT (ft)	NOTE: Only on Shallow Wells

Comments

PURGE DATA										
START PURGE TIME:	1537									
TIME	1547	1550	1552	1556	1559	1602	1605	1608	1611	
DTW (ft-TOC)	8.73									
FLOW RATE (mL/min)	350									
TEMPERATURE (°C)	17.2	17.1	17.1	17.1	17.1	17.2	17.2	17.3	17.3	
CONDUCTIVITY (uS/cm)	405	406	409	411	415	420	423	424	425	
D. O. (mg/L)	0.73	0.60	0.55	0.51	0.43	0.36	0.29	0.39	0.39	
pH (units)	6.64	6.65	6.65	6.67	6.69	6.71	6.71	6.71	6.71	
ORP (mv)	-7.3	-12.0	-28.9	-32.5	-39.9	48.8	-52.7	-55.4	-56.3	
TURBIDITY (NTU)	9.15	8.29	7.55	6.99	6.38	5.14	4.83	4.79	4.56	

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-8M-0813	1615	VOC (Method 8260)	40 mL	3	HCL
MW-8M-0813	1615	VOC (Method 8260) SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/13/2013

WELL NO. MW-10
 SAMPLED BY M.G. D.K. (G.S.)
 WEATHER Sunny 82°F

WELL INFORMATION		
DEPTH TO WATER	(ft) TOC	9.00
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		
PUMP ADJUSTMENT	2.5 (ft)	NOTE: Only on Shallow Wells

Comments

If DTW > 9.71 ft. re-calculate the pump adjustment

DTW not measured due to pump adjustment

PURGE DATA

START PURGE TIME:	1650											
TIME	1700	1703	1706	1709								
DTW (ft-TOC)	NM	NM	NM	NM								
FLOW RATE (mL/min)	250	250	250	250								
TEMPERATURE (°C)	18.24	18.16	18.21	18.13								
CONDUCTIVITY (uS/cm)	312	314	316	319								
D. O. (mg/L)	0.32	0.29	0.27	0.26								
pH (units)	6.08	6.08	6.09	6.10								
ORP (mv)	15.5	23.8	28.5	30.1								
TURBIDITY (NTU)	4.14	2.71	2.12	1.09								

PURGE DATA Continued from Above

TIME												
DTW (ft-TOC)												
FLOW RATE (mL/min)												
TEMPERATURE (°C)												
CONDUCTIVITY (uS/cm)												
D. O. (mg/L)												
pH (units)												
ORP (mv)												
TURBIDITY (NTU)												

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-10-0813	1710	VOC (Method 8260)	40 mL	3	HCL
MW-10-0813	1710	VOC (Method 8260) SIM: TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-11
 SAMPLED BY M.G. D.K. (G.S.)
 WEATHER partly cloudy 80°f

WELL INFORMATION	
DEPTH TO WATER (ft) TOC	<u>9.15</u>
DEPTH OF WELL (ft)	
WELL DIAMETER (inches)	<u>2</u>
FEET OF WATER	
WELL CONDITION	<u>Loose hold 5/8"</u>
PUMP ADJUSTMENT	<u>4.5 (ft)</u> NOTE: Only on Shallow Wells

Comments

If DTW > 9.81 ft. re-calculate the pump adjustment

Do unstable

PURGE DATA

START PURGE TIME:	<u>1422</u>										
TIME	<u>1432</u>	<u>1435</u>	<u>1438</u>	<u>1441</u>	<u>1443</u>	<u>1446</u>	<u>1449</u>	<u>1452</u>	<u>1455</u>		
DTW (ft-TOC)	<u>9.15</u>	<u>9.15</u>	<u>9.15</u>	<u>NM</u>	<u>—————</u>	<u>—————</u>	<u>—————</u>	<u>—————</u>	<u>—————</u>	<u>—————</u>	
FLOW RATE (mL/min)	<u>200</u>	<u>200</u>	<u>200</u>	<u>—————</u>	<u>—————</u>	<u>—————</u>	<u>—————</u>	<u>—————</u>	<u>—————</u>	<u>—————</u>	
TEMPERATURE (°C)	<u>18.52</u>	<u>18.50</u>	<u>18.43</u>	<u>18.41</u>	<u>18.46</u>	<u>18.42</u>	<u>18.37</u>	<u>18.33</u>	<u>18.34</u>		
CONDUCTIVITY (uS/cm)	<u>429</u>	<u>428</u>	<u>429</u>	<u>430</u>	<u>430</u>	<u>430</u>	<u>430</u>	<u>430</u>	<u>430</u>		
D. O. (mg/L)	<u>1.33</u>	<u>1.07</u>	<u>0.75</u>	<u>0.62</u>	<u>0.52</u>	<u>0.43</u>	<u>0.38</u>	<u>0.37</u>	<u>0.35</u>		
pH (units)	<u>6.07</u>	<u>6.06</u>	<u>6.08</u>	<u>6.09</u>	<u>6.10</u>	<u>6.10</u>	<u>6.10</u>	<u>6.10</u>	<u>6.11</u>		
ORP (mv)	<u>102.2</u>	<u>101.6</u>	<u>100.0</u>	<u>99.1</u>	<u>98.0</u>	<u>97.7</u>	<u>97.1</u>	<u>97.2</u>	<u>96.5</u>		
TURBIDITY (NTU)	<u>4.15</u>	<u>4.26</u>	<u>2.26</u>	<u>1.98</u>	<u>2.01</u>	<u>1.89</u>	<u>1.47</u>	<u>1.35</u>	<u>1.29</u>		

PURGE DATA Continued from Above

TIME											
DTW (ft-TOC)											
FLOW RATE (mL/min)											
TEMPERATURE (°C)											
CONDUCTIVITY (uS/cm)											
D. O. (mg/L)											
pH (units)											
ORP (mv)											
TURBIDITY (NTU)											

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
<u>MW-11-0813</u>	<u>1500</u>	<u>VOC (Method 8260)</u>	<u>40 mL</u>	<u>3</u>	<u>HCL</u>
<u>MW-11-0813</u>	<u>1500</u>	<u>VOC (Method 8260) SIM : TCE, PCE, Vinyl Chloride)</u>	<u>40 mL</u>	<u>2</u>	<u>HCL</u>

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-12
 SAMPLED BY M.G. / D.K. G.S.
 WEATHER Rainy, 75°F

WELL INFORMATION		
DEPTH TO WATER	(ft) TOC	<u>9.25</u>
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	
FEET OF WATER		
WELL CONDITION		
PUMP ADJUSTMENT	4.5 (ft)	NOTE: Only on Shallow Wells

Comments

If DTW > 10.02 ft. re-calculate the pump adjustment

PURGE DATA

START PURGE TIME:	<u>1703</u>																	
TIME	<u>1713</u>	<u>1716</u>	<u>1719</u>	<u>1722</u>														
DTW (ft-TOC)	<u>9.25</u>	<u>9.25</u>	<u>9.25</u>	<u>9.25</u>														
FLOW RATE (mL/min)	<u>300</u>	<u>300</u>	<u>300</u>	<u>300</u>														
TEMPERATURE (°C)	<u>15.9</u>	<u>15.9</u>	<u>15.9</u>	<u>16.0</u>														
CONDUCTIVITY (uS/cm)	<u>161</u>	<u>161</u>	<u>165</u>	<u>161</u>														
D. O. (mg/L)	<u>0.90</u>	<u>0.94</u>	<u>0.97</u>	<u>1.01</u>														
pH (units)	<u>6.01</u>	<u>6.0</u>	<u>6.0</u>	<u>6.0</u>														
ORP (mv)	<u>47</u>	<u>48</u>	<u>48</u>	<u>49</u>														
TURBIDITY (NTU)	<u>19.0</u>	<u>15.0</u>	<u>14.8</u>	<u>14.2</u>														

PURGE DATA Continued from Above

TIME																		
DTW (ft-TOC)																		
FLOW RATE (mL/min)																		
TEMPERATURE (°C)																		
CONDUCTIVITY (uS/cm)																		
D. O. (mg/L)																		
pH (units)																		
ORP (mv)																		
TURBIDITY (NTU)																		

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW- 12 -0813	<u>1725</u>	VOC (Method 8260)	40 mL	3	HCL
MW- 12 -0813	<u>1725</u>	VOC (Method 8260) SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/13/2013

WELL NO. MW-13
 SAMPLED BY M.G. D.K. G.S.
 WEATHER clear, 85°F

WELL INFORMATION		
DEPTH TO WATER	(ft) TOC	9.62
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		ok
PUMP ADJUSTMENT	4.4 (ft)	NOTE: Only on Shallow Wells

Comments

If DTW > 10.26 ft. re-calculate the pump adjustment

PURGE DATA										
START PURGE TIME:	16:56									
TIME	17:06	17:09	17:12	17:15						
DTW (ft-TOC)	9.68	9.68	9.69	9.67						
FLOW RATE (mL/min)	350									
TEMPERATURE (°C)	16.6	16.6	16.6	16.6						
CONDUCTIVITY (uS/cm)	358	363	366	367						
D. O. (mg/L)	0.61	0.50	0.49	0.47						
pH (units)	6.44	6.50	6.45	6.45						
ORP (mv)	-25.5	-29.1	-30.2	-31.3						
TURBIDITY (NTU)	11.7	10.4	10.3	10.1						

PURGE DATA: Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW- 13 -0813	17:20	VOC (Method 8260)	40 mL	3	HCL
MW- 13 -0813	17:20	VOC (Method 8260 SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-14M
 SAMPLED BY M.G. D.K. (G.S.)
 WEATHER Cloudy 80°F.

WELL INFORMATION	
DEPTH TO WATER (ft) TOC	8.99
DEPTH OF WELL (ft)	
WELL DIAMETER (inches)	2
FEET OF WATER	
WELL CONDITION	100% bolder
PUMP ADJUSTMENT	NA (ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA										
START PURGE TIME:	1506									
TIME	1516	1519	1522	1525	1528	1531				
DTW (Ft-TOC)	9.00	9.00	9.00	NM	→	→				
FLOW RATE (mL/min)	250	250	250	→	→	→				
TEMPERATURE (°C)	17.26	17.06	17.03	17.03	17.06	17.10				
CONDUCTIVITY (uS/cm)	443	444	444	445	445	446				
D. O. (mg/L)	0.69	0.52	0.29	0.24	0.23	0.22				
pH (units)	6.14	6.15	6.16	6.18	6.20	6.21				
ORP (mv)	-11.7	-17.9	-21.3	-21.6	-26.9	-28.6				
TURBIDITY (NTU)	3.75	2.20	2.00	1.35	1.69	1.48				

PURGE DATA Continued from Above

TIME										
DTW (Ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIPT: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-14M-0813	1535	VOC (Method 8260)	40 mL	3	HCL
MW-14M-0813	1535	VOC (Method 8260 SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-14D
 SAMPLED BY M.G. D.K. (G.S.)
 WEATHER cloudy 78°F

WELL INFORMATION	
DEPTH TO WATER (ft) TOC	<u>8.54</u>
DEPTH OF WELL (ft)	
WELL DIAMETER (inches)	<u>2</u>
FEET OF WATER	
WELL CONDITION	<u>loose solids</u>
PUMP ADJUSTMENT	<u>NA</u> (ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA											
START PURGE TIME:	<u>1549</u>										
TIME	<u>1559</u>	<u>1602</u>	<u>1605</u>	<u>1608</u>	<u>1611</u>						
DTW (ft-TOC)	<u>8.58</u>	<u>8.58</u>	<u>8.58</u>	<u>NA</u>	<u>→</u>						
FLOW RATE (mL/min)	<u>250</u>	<u>250</u>	<u>250</u>	<u>→</u>	<u>→</u>						
TEMPERATURE (°C)	<u>16.71</u>	<u>16.71</u>	<u>16.65</u>	<u>16.56</u>	<u>16.52</u>						
CONDUCTIVITY (uS/cm)	<u>514</u>	<u>531</u>	<u>537</u>	<u>540</u>	<u>541</u>						
D. O. (mg/L)	<u>0.71</u>	<u>0.42</u>	<u>0.30</u>	<u>0.29</u>	<u>0.28</u>						
pH (units)	<u>6.75</u>	<u>6.77</u>	<u>6.78</u>	<u>6.80</u>	<u>6.81</u>						
ORP (mv)	<u>268.7</u>	<u>274.3</u>	<u>279.7</u>	<u>283.7</u>	<u>287.4</u>						
TURBIDITY (NTU)	<u>2.91</u>	<u>1.93</u>	<u>1.74</u>	<u>1.36</u>	<u>1.72</u>						

PURGE DATA Continued from Above											
TIME											
DTW (ft-TOC)											
FLOW RATE (mL/min)											
TEMPERATURE (°C)											
CONDUCTIVITY (uS/cm)											
D. O. (mg/L)											
pH (units)											
ORP (mv)											
TURBIDITY (NTU)											
PURGE AND SAMPLE EQUIP:	<u>Dedicated QED pump</u>										

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
<u>MW-14D-0813</u>	<u>1615</u>	<u>VOC (Method 8260)</u>	<u>40 mL</u>	<u>6</u>	<u>HCL</u>
<u>MW-14D-0813</u>	<u>1615</u>	<u>VOC (Method 8260) SIM : TCE, PCE, Vinyl Chloride)</u>	<u>40 mL</u>	<u>4</u>	<u>HCL</u>

ADDITIONAL INFORMATION:

TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

Collect Duplicate MW-140D-0213 @ 1700

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-15M
 SAMPLED BY M.G. D.K. G.S.
 WEATHER P. Cloudy, 70°F

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC 8.86
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches) 2
FEET OF WATER	
WELL CONDITION	ok
PUMP ADJUSTMENT	(ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA										
START PURGE TIME:	1004									
TIME	1004	1017	1020	1023	1026					
DTW (ft-TOC)	8.07									
FLOW RATE (mL/min)	708									
TEMPERATURE (°C)	15.3	15.3	15.3	15.3	15.3					
CONDUCTIVITY (uS/cm)	454	454	454	454	454					
D. O. (mg/L)	0.71	0.68	0.66	0.64	0.63					
pH (units)	6.44	6.44	6.44	6.44	6.44					
ORP (mv)	-20.9	-21.2	-21.6	-21.8	-22.0					
TURBIDITY (NTU)	16.9	13.1	9.4	8.9	8.6					

PURGE DATA Continued from Above										
TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										
PURGE AND SAMPLE EQUIP:	Dedicated QED pump									

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-15M-0813	1030	VOC (Method 8260)	40 mL	3	HCL
MW-15M-0813	1030	VOC (Method 8260) SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/- 10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-15D
 SAMPLED BY M.G. D.K. G.S.
 WEATHER P. Cloudy, 65°F

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC 8.55
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches) 2
FEET OF WATER	
WELL CONDITION	ok
PUMP ADJUSTMENT	(ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA

START PURGE TIME:	0917											
TIME	0927	0931	0933	0936	0939	0947						
DTW (ft-TOC)	8.57											
FLOW RATE (mL/min)	300											
TEMPERATURE (°C)	15.7	15.9	15.7	15.7	15.7	15.6						
CONDUCTIVITY (uS/cm)	394	394	394	398	398	394						
D. O. (mg/L)	0.69	0.65	0.62	0.61	0.60	0.60						
pH (units)	6.58	6.58	6.58	6.58	6.59	6.59						
ORP (mv)	-5.1	-8.6	-10.7	-14.9	-15.3	-15.5						
TURBIDITY (NTU)	105	97	51	47	44	43						

PURGE DATA Continued from Above

TIME												
DTW (ft-TOC)												
FLOW RATE (mL/min)												
TEMPERATURE (°C)												
CONDUCTIVITY (uS/cm)												
D. O. (mg/L)												
pH (units)												
ORP (mv)												
TURBIDITY (NTU)												

PURGE AND SAMPLE EQUIPT: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-15D-0813	0950	VOC (Method 8260)	40 mL	3	HCL
MW-15D-0813	0950	VOC (Method 8260 SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-16M
 SAMPLED BY M.G. D.K. G.S.
 WEATHER Cloudy, 70°F

WELL INFORMATION:		
DEPTH TO WATER	(ft) TOC	8.91
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		OK
PUMP ADJUSTMENT	(ft)	NOTE: Only on Shallow Wells

Comments

PURGE DATA

START PURGE TIME:	1206									
TIME	1216	1219	1222							
DTW (ft-TOC)	8.94	→	→							
FLOW RATE (mL/min)	300	→	→							
TEMPERATURE (°C)	16.6	16.6	16.6							
CONDUCTIVITY (uS/cm)	569	569	569							
D. O. (mg/L)	0.57	0.53	0.57							
pH (units)	7.25	7.25	7.25							
ORP (mv)	-82	-84	-85							
TURBIDITY (NTU)	10.7	10.1	9.95							

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-16M-0813	1225	VOC (Method 8260)	40 mL	3	HCL
MW-16M-0813	1225	VOC (Method 8260) SIM : TCE, PCE, Vinyl Chloride)	40 mL	2	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-16D
 SAMPLED BY M.G. D.K. G.S.
 WEATHER cloudy, 70°F

WELL INFORMATION:		
DEPTH TO WATER	(ft) TOC	8.72
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		OK
PUMP ADJUSTMENT	(ft)	NOTE: Only on Shallow Wells

Comments

PURGE DATA

START PURGE TIME:	1124									
TIME	1134	1137	1140	1143	1146					
DTW (ft-TOC)	8.80									
FLOW RATE (mL/min)	350									
TEMPERATURE (°C)	15.8	15.7	15.7	15.7	15.7					
CONDUCTIVITY (uS/cm)	485	484	485	485	486					
D. O. (mg/L)	1.18	0.94	0.74	0.71	0.68					
pH (units)	7.09	7.10	7.11	7.11	7.12					
ORP (mv)	-64	-69	-78	-79	-81					
TURBIDITY (NTU)	2.69	2.01	1.74	1.79	1.63					

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIPT: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-16D-0813	1150	VOC (Method 8260)	40 mL	9	HCL
MW-16D-0813	1150	VOC (Method 8260) SIM : TCE, PCE, Vinyl Chloride)	40 mL	6	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:
 Collect MS/MSD

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-17M
 SAMPLED BY M.G. D.K. G.S.
 WEATHER cloudy, 70°

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC <u>3.61</u>
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches)
FEET OF WATER	
WELL CONDITION	
PUMP ADJUSTMENT	(ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA

START PURGE TIME:	<u>1340</u>									
TIME	<u>1350</u>	<u>1353</u>	<u>1356</u>	<u>1359</u>	<u>1402</u>					
DTW (ft-TOC)	<u>9.61</u>									
FLOW RATE (mL/min)	<u>300</u>									
TEMPERATURE (°C)	<u>15.6</u>	<u>15.7</u>	<u>15.7</u>	<u>15.8</u>	<u>15.8</u>					
CONDUCTIVITY (uS/cm)	<u>530</u>	<u>530</u>	<u>530</u>	<u>530</u>	<u>529</u>					
D. O. (mg/L)	<u>0.65</u>	<u>0.63</u>	<u>0.62</u>	<u>0.62</u>	<u>0.61</u>					
pH (units)	<u>6.29</u>	<u>6.29</u>	<u>6.29</u>	<u>6.29</u>	<u>6.30</u>					
ORP (mv)	<u>-5.1</u>	<u>-6.2</u>	<u>-6.4</u>	<u>-6.7</u>	<u>-7.0</u>					
TURBIDITY (NTU)	<u>895</u>	<u>811</u>	<u>753</u>	<u>70.7</u>	<u>69.8</u>					

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
<u>MW- 17M -0813</u>	<u>1405</u>	<u>VOC (Method 8260)</u>	<u>40 mL</u>	<u>3</u>	<u>HCL</u>
<u>MW- 17M -0813</u>	<u>1405</u>	<u>VOC (Method 8260 SIM : TCE, PCE,</u>	<u>40 mL</u>	<u>2</u>	<u>HCL</u>

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-17D
 SAMPLED BY M.G. D.K. G.S.
 WEATHER cloudy, 7.0°C

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC <u>9.3#</u>
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches)
FEET OF WATER	
WELL CONDITION	
PUMP ADJUSTMENT	(ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA

START PURGE TIME:	<u>1304</u>									
TIME	<u>1314</u>	<u>1319</u>	<u>1320</u>	<u>1323</u>						
DTW (ft-TOC)	<u>9.80</u>			<u>5</u>						
FLOW RATE (mL/min)	<u>300</u>			<u>3</u>						
TEMPERATURE (°C)	<u>15.6</u>	<u>15.6</u>	<u>15.7</u>	<u>15.7</u>						
CONDUCTIVITY (uS/cm)	<u>305</u>	<u>305</u>	<u>305</u>	<u>304</u>						
D. O. (mg/L)	<u>0.58</u>	<u>0.56</u>	<u>0.56</u>	<u>0.55</u>						
pH (units)	<u>7.12</u>	<u>7.12</u>	<u>7.13</u>	<u>7.14</u>						
ORP (mv)	<u>-38</u>	<u>-43</u>	<u>-45</u>	<u>-46</u>						
TURBIDITY (NTU)	<u>690</u>	<u>655</u>	<u>643</u>	<u>637</u>						

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW- 17D -0813	<u>1330</u>	VOC (Method 8260)	40 mL	3	HCL
MW- 17D -0813	<u>1330</u>	VOC (Method 8260) SIM : TCE, PCE,	40 mL	2	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-18M
 SAMPLED BY M.G. D.K. G.S.
 WEATHER cloudy, 75°F

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC 77.5
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches) 2
FEET OF WATER	
WELL CONDITION	ok
PUMP ADJUSTMENT	(ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA									
START PURGE TIME:	1531								
TIME	1541	1544	1547	1550	1553	1556	1559	1602	
DTW (ft-TOC)	77.7								
FLOW RATE (mL/min)	300								
TEMPERATURE (°C)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	
CONDUCTIVITY (uS/cm)	361	361	360	360	360	359	358	358	
D. O. (mg/L)	0.55	0.53	0.52	0.51	0.48	0.47	0.45	0.44	
pH (units)	6.43	6.43	6.43	6.43	6.43	6.43	6.43	6.43	
ORP (mv)	-40	-39	-39	-39	-38	-38	-38	-38	
TURBIDITY (NTU)	65	51	43	37	33	27	25	24	

PURGE DATA Continued from Above									
TIME									
DTW (ft-TOC)									
FLOW RATE (mL/min)									
TEMPERATURE (°C)									
CONDUCTIVITY (uS/cm)									
D. O. (mg/L)									
pH (units)									
ORP (mv)									
TURBIDITY (NTU)									

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW- 18M -0813	1605	VOC (Method 8260)	40 mL	9	HCL
MW- 18M -0813	1605	VOC (Method 8260) SIM : TCE, PCE,	40 mL	6	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prof.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/- 10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:
 Collect MS/MSD

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/19/2013

WELL NO. MW-18D
 SAMPLED BY M.G. D.K. G.S.
 WEATHER Cloudy, 75°F

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC 7.56
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches)
FEET OF WATER	
WELL CONDITION	
PUMP ADJUSTMENT	(fl) NOTE: Only on Shallow Wells

Comments

PURGE DATA

START PURGE TIME:	14:59									
TIME	15:09	15:12	15:15							
DTW (ft-TOC)	7.71									
FLOW RATE (mL/min)	350									
TEMPERATURE (°C)	15.8	15.8	15.9							
CONDUCTIVITY (uS/cm)	296	298	299							
D. O. (mg/L)	0.62	0.60	0.58							
pH (units)	6.79	6.79	6.79							
ORP (mv)	-51	-52	-52							
TURBIDITY (NTU)	73	70	69							

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW- 18D -0813	15:20	VOC (Method 8260)	40 mL	3	HCL
MW- 18D -0813	15:20	VOC (Method 8260) SIM : TCE, PCE,	40 mL	2	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/15/2013

WELL NO. MW-19M
 SAMPLED BY M.G. D.K. G.S.
 WEATHER cloudy 75°F. light rain.

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC <u>9.23</u>
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches) <u>2</u>
FEET OF WATER	
WELL CONDITION	
PUMP ADJUSTMENT	<u>NA</u> (ft) NOTE: Only on Shallow Wells

Comments

Cond DO, ORP unstable.

PURGE DATA												
START PURGE TIME:	<u>1042</u>											
TIME	<u>1052</u>	<u>1055</u>	<u>1058</u>	<u>1101</u>	<u>1104</u>	<u>1107</u>	<u>1110</u>	<u>1113</u>	<u>1116</u>	<u>1119</u>	<u>1122</u>	<u>1125</u>
DTW (ft-TOC)	<u>9.24</u>	<u>9.24</u>	<u>9.24</u>	<u>NM</u>								<u>→</u>
FLOW RATE (mL/min)	<u>250</u>	<u>250</u>	<u>250</u>	<u>—</u>								<u>→</u>
TEMPERATURE (°C)	<u>15.41</u>	<u>15.31</u>	<u>15.25</u>	<u>15.18</u>	<u>15.19</u>	<u>15.20</u>	<u>15.18</u>	<u>15.12</u>	<u>15.21</u>	<u>15.24</u>	<u>15.33</u>	<u>15.35</u>
CONDUCTIVITY (uS/cm)	<u>121</u>	<u>122</u>	<u>124</u>	<u>116</u>	<u>123</u>	<u>112</u>	<u>115</u>	<u>123</u>	<u>124</u>	<u>122</u>	<u>123</u>	<u>121</u>
D. O. (mg/L)	<u>0.62</u>	<u>0.44</u>	<u>0.35</u>	<u>0.29</u>	<u>0.30</u>	<u>0.25</u>	<u>0.24</u>	<u>0.21</u>	<u>0.20</u>	<u>0.20</u>	<u>0.20</u>	<u>0.19</u>
pH (units)	<u>6.16</u>	<u>6.18</u>	<u>6.19</u>	<u>6.24</u>	<u>6.28</u>	<u>6.33</u>	<u>6.35</u>	<u>6.37</u>	<u>6.39</u>	<u>6.44</u>	<u>6.47</u>	<u>6.47</u>
ORP (mv)	<u>39.2</u>	<u>29.2</u>	<u>22.4</u>	<u>11.2</u>	<u>6.4</u>	<u>0.6</u>	<u>9.1</u>	<u>-4.3</u>	<u>-6.5</u>	<u>-10.1</u>	<u>-10.3</u>	<u>-10.4</u>
TURBIDITY (NTU)	<u>7.03</u>	<u>5.96</u>	<u>4.56</u>	<u>4.17</u>	<u>4.26</u>	<u>3.45</u>	<u>3.65</u>	<u>3.74</u>	<u>3.92</u>	<u>3.21</u>	<u>3.39</u>	<u>3.41</u>

PURGE DATA Continued from Above

TIME												
DTW (ft-TOC)												
FLOW RATE (mL/min)												
TEMPERATURE (°C)												
CONDUCTIVITY (uS/cm)												
D. O. (mg/L)												
pH (units)												
ORP (mv)												
TURBIDITY (NTU)												

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
<u>MW- 19M -0813</u>	<u>1130</u>	<u>VOC (Method 8260)</u>	<u>40 mL</u>	<u>3</u>	<u>HCL</u>
<u>MW- 19M -0813</u>	<u>1130</u>	<u>VOC (Method 8260 SIM : TCE, PCE,</u>	<u>40 mL</u>	<u>2</u>	<u>HCL</u>

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-20M
 SAMPLED BY M.G. D.K. (G.S.)
 WEATHER light rain 71°F

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC <u>9.24</u>
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches) <u>2</u>
FEET OF WATER	
WELL CONDITION	<u>loose holds</u>
PUMP ADJUSTMENT	<u>NA</u> (ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA										
START PURGE TIME:	<u>1650</u>									
TIME	<u>1700</u>	<u>1703</u>	<u>1706</u>	<u>1709</u>	<u>1712</u>	<u>1715</u>	<u>1718</u>			
DTW (ft-TOC)	<u>9.24</u>	<u>9.24</u>	<u>9.24</u>	<u>NM</u>	—————→					
FLOW RATE (mL/min)	<u>250</u>	<u>250</u>	<u>250</u>	—————→						
TEMPERATURE (°C)	<u>17.30</u>	<u>17.32</u>	<u>17.27</u>	<u>17.35</u>	<u>17.44</u>	<u>17.45</u>	<u>17.45</u>			
CONDUCTIVITY (uS/cm)	<u>363</u>	<u>363</u>	<u>363</u>	<u>363</u>	<u>364</u>	<u>365</u>	<u>365</u>			
D. O. (mg/L)	<u>0.37</u>	<u>0.27</u>	<u>0.23</u>	<u>0.19</u>	<u>0.16</u>	<u>0.17</u>	<u>0.16</u>			
pH (units)	<u>6.16</u>	<u>6.19</u>	<u>6.21</u>	<u>6.23</u>	<u>6.25</u>	<u>6.27</u>	<u>6.27</u>			
ORP (mv)	<u>-33.0</u>	<u>-34.6</u>	<u>-35.9</u>	<u>-37.4</u>	<u>-39.2</u>	<u>-39.7</u>	<u>-40.1</u>			
TURBIDITY (NTU)	<u>10.7</u>	<u>9.08</u>	<u>7.88</u>	<u>6.88</u>	<u>5.62</u>	<u>5.18</u>	<u>5.25</u>			

PURGE DATA Continued from Above										
TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										
PURGE AND SAMPLE EQUIP:	<u>Dedicated QED pump</u>									

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
<u>MW- 20M -0813</u>	<u>1720</u>	<u>VOC (Method 8260)</u>	<u>40 mL</u>	<u>3</u>	<u>HCL</u>
<u>MW- 20M -0813</u>	<u>1720</u>	<u>VOC (Method 8260 SIM : TCE, PCE,</u>	<u>40 mL</u>	<u>2</u>	<u>HCL</u>

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. MW-21S
 SAMPLED BY M.G. D.K. G.S.
 WEATHER P. Cloudy, 65°F

WELL INFORMATION:		
DEPTH TO WATER	(ft) TOC	8.98
DEPTH OF WELL	(ft)	
WELL DIAMETER	(inches)	2
FEET OF WATER		
WELL CONDITION		OK
PUMP ADJUSTMENT	3.2 (ft)	NOTE: Only on Shallow Wells

Comments

If DTW > 9.60 ft. re-calculate the pump adjustment

PURGE DATA

START PURGE TIME:	0838												
TIME	0848	0851	0854	0857									
DTW (ft-TOC)	8.98	→	→	→									
FLOW RATE (mL/min)	300	→	→	→									
TEMPERATURE (°C)	15.5	15.5	15.5	15.5									
CONDUCTIVITY (uS/cm)	491	491	491	490									
D. O. (mg/L)	0.84	0.82	0.80	0.79									
pH (units)	6.79	6.79	6.79	6.78									
ORP (mv)	3.7	3.7	3.5	3.6									
TURBIDITY (NTU)	11.31	7.36	7.09	6.87									

PURGE DATA Continued from Above

TIME													
DTW (ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units)													
ORP (mv)													
TURBIDITY (NTU)													

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-21S-0813	0900	VOC (Method 8260)	40 mL	6	HCL
MW-21S-0813	0900	VOC (Method 8260) SIM : TCE, PCE, Vinyl Chloride)	40 mL	4	HCL

ADDITIONAL INFORMATION:

- TOC=Top of well casing
- wl.prot.=top of well protector
- Turbidity: Less than 5 NTU or +/- 10%
- DO: +/-10%
- Sp Cond: +/- 3%
- Temp: +/- 3%
- pH: +/- 0.1 standard units
- ORP: +/- 10 millivolts

Additional comments:

Collect Duplicate MW-210S-0513 (09:15)

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/13/2013

WELL NO. EPI-2D
 SAMPLED BY D.K. M.G. (G.S.) (AL)
 WEATHER

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC 10.38
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches)
FEET OF WATER	
WELL CONDITION	
PUMP ADJUSTMENT	(ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA										
START PURGE TIME: 1311										
TIME	1321	1324	1327	1330	1333	1336	1339	1342		
DTW (ft-TOC)	10.34	10.39	10.39	10.38	10.38	10.38	10.38	10.39		
FLOW RATE (mL/min)	250	250	250	250	250	250	250	250		
TEMPERATURE (°C)	19.81	19.83	19.81	19.81	19.85	19.85	19.84	19.84		
CONDUCTIVITY (uS/cm)	283	353	454	448	512	520	527	526		
D. O. (mg/L)	3.31	2.24	1.36	0.86	0.60	0.50	0.45	0.44		
pH (units)	6.21	6.19	6.20	6.22	6.22	6.23	6.22	6.23		
ORP (mv)	93.9	97.6	51.4	9.4	-6.8	-11.4	-14.0	-14.2		
TURBIDITY (NTU)	2.22	1.70	1.01	0.73	0.85	0.80	0.78	0.88		

PURGE DATA Continued from Above										
TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
EPI-MW- 2D -0813	1345	VOC (Method 8260)	40 mL	3	HCL
EPI-MW- 2D -0813	1345	VOC (Method 8260) SIM : TCE, PCE,	40 mL	2	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/13/2013

WELL NO. EPI-3S
 SAMPLED BY D.K. M.G. (G.S.) - AL
 WEATHER

WELL INFORMATION		
DEPTH TO WATER	10.87	(ft) TOC
DEPTH OF WELL	15.0	(ft)
WELL DIAMETER	2"	(inches)
FEET OF WATER	4.13	
WELL CONDITION		
PUMP ADJUSTMENT	(ft)	NOTE: Only on Shallow Wells

Comments

cloudy water

PURGE DATA

START PURGE TIME:	1:40													
TIME		1150	1153	1156	1159									
DTW (FL-TOC)		10.85	10.91	10.86	10.88									
FLOW RATE (mL/min)		250	275	275	275									
TEMPERATURE (°C)		19.57	19.54	19.55	19.53									
CONDUCTIVITY (uS/cm)		200 501	511	511	513									
D. O. (mg/L)		1.67	1.52	1.70	1.67									
pH (units)		6.06	6.16	6.00	6.02									
ORP (mv)		-44.4	-43.9	-41.9	-41.9									
TURBIDITY (NTU)		32.8	24.2	24.2	22.3									

PURGE DATA Continued from Above

TIME														
DTW (FL-TOC)														
FLOW RATE (mL/min)														
TEMPERATURE (°C)														
CONDUCTIVITY (uS/cm)														
D. O. (mg/L)														
pH (units)														
ORP (mv)														
TURBIDITY (NTU)														

PURGE AND SAMPLE EQUIPT: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
EPI-MW- 3S -0813	1200	VOC (Method 8260)	40 mL	3	HCL
EPI-MW- 3S -0813	1200	VOC (Method 8260) SIM : TCE, PCE,	40 mL	2	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/13/2013

WELL NO. EPI-3D
 SAMPLED BY D.K. M.G. G.S. AL
 WEATHER

WELL INFORMATION		
DEPTH TO WATER	10.89	(ft) TOC
DEPTH OF WELL	30	(ft)
WELL DIAMETER	2"	(inches)
FEET OF WATER	19.11	
WELL CONDITION		
PUMP ADJUSTMENT	(ft)	NOTE: Only on Shallow Wells

Comments

PURGE DATA

START PURGE TIME: 1228																			
TIME	1238	1241	1244																
DTW (ft-TOC)	10.01	10.10	10.15																
FLOW RATE (mL/min)	250	250	250																
TEMPERATURE (°C)	19.08	18.99	18.93																
CONDUCTIVITY (uS/cm)	490	494	495																
D. O. (mg/L)	5.13	5.15	5.33																
pH (units)	6.60	6.58	6.60																
ORP (mv)	-33.5	-36.9	-42.2																
TURBIDITY (NTU)	5.02	3.82	3.72																

PURGE DATA Continued from Above

TIME																			
DTW (ft-TOC)																			
FLOW RATE (mL/min)																			
TEMPERATURE (°C)																			
CONDUCTIVITY (uS/cm)																			
D. O. (mg/L)																			
pH (units)																			
ORP (mv)																			
TURBIDITY (NTU)																			

PURGE AND SAMPLE EQUIPT: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
EPI-MW- 3D -0813	1245	VOC (Method 8260)	40 mL	3	HCL
EPI-MW- 3D -0813	1245	VOC (Method 8260) SIM : TCE, PCE,	40 mL	2	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wt.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/15/2013

WELL NO. EPI-4S
 SAMPLED BY D.K. M.G. G.S. AL
 WEATHER

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC 10.75
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches)
FEET OF WATER	
WELL CONDITION	
PUMP ADJUSTMENT	(ft) NOTE: Only on Shallow Wells

Comments
 inlet tubing = 10.50

PURGE DATA

START PURGE TIME: 1440											
TIME	1450	1453	1456	1459	1502	1505	1506	1511			
DTW (ft-TOC)	10.75	10.75	10.75	10.75	10.76	10.76	10.77	10.77			
FLOW RATE (mL/min)	200	200	200	200	200	200	200	200			
TEMPERATURE (°C)	18.88	18.85	18.89	18.82	18.80	18.80	18.80	18.79			
CONDUCTIVITY (uS/cm)	628	632	634	635	635	635	635	634			
D. O. (mg/L)	1.12	1.04	0.92	0.83	0.78	0.71	0.65	0.61			
pH (units)	6.01	6.03	6.05	6.07	6.08	6.09	6.10	6.11			
ORP (mv)	-43.7	-52.4	-55.7	-56.8	-58.4	-60.1	-59.1	-60.9			
TURBIDITY (NTU)	63.6	51.0	45.3	40.0	31.4	26.4	26.2	23.7			

PURGE DATA Continued from Above

TIME											
DTW (ft-TOC)											
FLOW RATE (mL/min)											
TEMPERATURE (°C)											
CONDUCTIVITY (uS/cm)											
D. O. (mg/L)											
pH (units)											
ORP (mv)											
TURBIDITY (NTU)											

PURGE AND SAMPLE EQUIPT: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
EPI-MW- 4S -0813	1515	VOC (Method 8260)	40 mL	3	HCL
EPI-MW- 4S -0813	1515	VOC (Method 8260) SIM : TCE, PCE,	40 mL	2	HCL

ADDITIONAL INFORMATION:
 TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

GROUNDWATER SAMPLING LOG



PROJECT NAME GE Dawson
 PROJECT NO. 60237964-200.2
 DATE 08/14/2013

WELL NO. EPI-4D
 SAMPLED BY D.K. M.G. (G.S.)
 WEATHER partly cloudy 68-82°F.

WELL INFORMATION	
DEPTH TO WATER	(ft) TOC <u>1076</u>
DEPTH OF WELL	(ft)
WELL DIAMETER	(inches) <u>2</u>
FEET OF WATER	
WELL CONDITION	<u>Good</u>
PUMP ADJUSTMENT	(ft) <u>NOTE: Only on Shallow Wells</u>

Comments

DO and ORP unstable

PURGE DATA										
START PURGE TIME:	<u>1007</u>									
TIME	<u>1017</u>	<u>1020</u>	<u>1023</u>	<u>1026</u>	<u>1029</u>	<u>1032</u>	<u>1035</u>	<u>1038</u>	<u>1041</u>	
DTW (ft-TOC)	<u>10.79</u>	<u>10.79</u>	<u>10.79</u>	<u>NM</u>	<u>NM</u>	<u>NM</u>	<u>NM</u>	<u>NM</u>	<u>NM</u>	
FLOW RATE (mL/min)	<u>250</u>	<u>250</u>	<u>250</u>	<u>250</u>	<u>250</u>	<u>250</u>	<u>250</u>	<u>250</u>	<u>250</u>	
TEMPERATURE (°C)	<u>18.08</u>	<u>18.03</u>	<u>17.96</u>	<u>17.90</u>	<u>17.86</u>	<u>17.85</u>	<u>17.83</u>	<u>17.84</u>	<u>17.83</u>	
CONDUCTIVITY (uS/cm)	<u>314</u>	<u>333</u>	<u>359</u>	<u>387</u>	<u>413</u>	<u>435</u>	<u>454</u>	<u>469</u>	<u>475</u>	
D. O. (mg/L)	<u>1.41</u>	<u>0.88</u>	<u>0.67</u>	<u>0.42</u>	<u>0.35</u>	<u>0.30</u>	<u>0.24</u>	<u>0.23</u>	<u>0.21</u>	
pH (units)	<u>6.15</u>	<u>6.17</u>	<u>6.20</u>	<u>6.22</u>	<u>6.24</u>	<u>6.26</u>	<u>6.27</u>	<u>6.29</u>	<u>6.30</u>	
ORP (mv)	<u>97.1</u>	<u>30.1</u>	<u>1.8</u>	<u>-16.8</u>	<u>-25.5</u>	<u>-31.2</u>	<u>-36.2</u>	<u>-39.8</u>	<u>-41.2</u>	
TURBIDITY (NTU)	<u>11.7</u>	<u>7.79</u>	<u>5.22</u>	<u>4.18</u>	<u>4.30</u>	<u>2.43</u>	<u>2.12</u>	<u>2.21</u>	<u>1.61</u>	

PURGE DATA Continued from Above

TIME										
DTW (ft-TOC)										
FLOW RATE (mL/min)										
TEMPERATURE (°C)										
CONDUCTIVITY (uS/cm)										
D. O. (mg/L)										
pH (units)										
ORP (mv)										
TURBIDITY (NTU)										

PURGE AND SAMPLE EQUIP: Dedicated QED pump

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
<u>EPI-MW- 4D -0813</u>	<u>1045</u>	<u>VOC (Method 8260)</u>	<u>40 mL</u>	<u>3</u>	<u>HCL</u>
<u>EPI-MW- 4D -0813</u>	<u>1045</u>	<u>VOC (Method 8260) SIM : TCE, PCE,</u>	<u>40 mL</u>	<u>2</u>	<u>HCL</u>

ADDITIONAL INFORMATION:

TOC=Top of well casing
 wl.prot.=top of well protector
 Turbidity: Less than 5 NTU or +/- 10%
 DO: +/-10%
 Sp Cond: +/- 3%
 Temp: +/- 3%
 pH: +/- 0.1 standard units
 ORP: +/- 10 millivolts

Additional comments:

WELL GAUGING LOG (pg 1 of 2)



Project Name: GE S. Dawson St.

Date: 8/13/2013

Project No. 60237964-200.2

Gauged by: Ghani S. & Dean K.

Weather: Overcast

Events: Semi-annual GW Gauging and Sampling

WELL NUMBER	TIME WELL OPENED	INITIAL DTW (ft)	TIME	Measurement to Top of PVC Casing				Remarks
				DTW (ft)	May 2013 DTW (ft)	Aug 2012 DTW (ft)	TWD (ft)	
MW-1	0934	9.41			8.79	8.98	16.50	
MW-2	0932	9.21			8.40	8.78	16.50	
MW-3	0910	8.23			7.42	7.78	16.00	
MW-4	0936	10.92			10.24	10.52	17.00	
MW-5	0929	8.84			8.08	8.38	20.00	
MW-6	0858	9.09			8.28	8.65	20.00	
MW-7	0901				10.86	11.19	20.00	
MW-8S	0901	8.97			8.01	8.54	19.00	
MW-8M	0903	8.80	0945	8.80	8.19	8.35	20.00	
MW-9	0925	7.72			6.94	7.30	20.00	
MW-10	0954	8.98			8.23	8.57	19.00	
MW-11					8.39	8.69	20.00	
MW-12					8.53	8.85	20.00	
MW-13	0906	9.69			8.93	9.26	19.00	
MW-14M					8.23	8.57	30.00	
MW-14D					7.81	8.11	55.00	
MW-15M					7.93	8.50	30.00	
MW-15D					8.25	8.19	55.00	
MW-16M					8.41	8.59	30.00	

Note: Total well depth = TWD

Depth to Water = DTW

highlighted locations = gauge twice

WELL GAUGING LOG (pg 2 of 2)

GE S. DAWSON

Date: 8/13/2013

WELL NUMBER	TIME WELL OPENED	INITIAL DTW (ft)	TIME	Measurement to Top of PVC Casing				Remarks
				DTW (ft)	May 2013 DTW (ft)	Aug 2012 DTW (ft)	TWD (ft)	
MW-16D					8.21	8.42	55.00	
MW-17M					8.95	9.20	30.00	
MW-17D					9.08	9.34	55.00	
MW-18M					7.16	7.39	30.00	
MW-18D					6.91	7.24	55.00	
MW-19M					8.45	8.81	30.00	
MW-20M					8.48	8.80	30.00	
MW-21S					8.34	8.58	16.00	
EPI-1S					8.86	9.25	15.00	
EPI-1D					8.84	9.18	30.00	
EPI-2S					DRY	DRY	15.00	DTB:
EPI-2D	1029	10.38	1051	10.38	9.83	9.95	30.00	
EPI-3S	1036	10.87	1056	10.87	10.11	10.45	15.00	
EPI-3D	1037	10.89	1058	10.89	10.13	10.47	30.00	
EPI-4S	1040	10.75	1103	10.75	9.97	10.32	15.00	
EPI-4D	1043	10.76	1106	10.76	9.99	10.34	30.00	
RW-1	0916	6.08			5.34	5.68	21.00	
RW-2	0920	8.12			7.05	7.45	22.00	Flow Rate: 5.94
RW-3	0938	10.12			9.78	9.82		Flow Rate: 9.59

highlighted locations = gauge twice

WELL GAUGING LOG (pg 1 of 2)



Project Name: GE S. Dawson St.

Date: 8/13/2013

Project No. 60237964-200.2

Gauged by: Ghani S. & Dean K.

Weather: Overcast Clear, 70°F

Events: Semi-annual GW Gauging and Sampling

WELL NUMBER	TIME WELL OPENED	INITIAL DTW (ft)	TIME	Measurement to Top of PVC Casing			Remarks	
				DTW (ft)	May 2013 DTW (ft)	Aug 2012 DTW (ft)		TWD (ft)
MW-1	-	-	-	-	8.79	8.98	16.50	
MW-2	-	-	-	-	8.40	8.78	16.50	
MW-3	-	-	-	-	7.42	7.78	16.00	
MW-4	-	-	-	-	10.24	10.52	17.00	
MW-5	-	-	-	-	8.08	8.38	20.00	
MW-6	-	-	-	-	8.28	8.65	20.00	
MW-7	0930	11.58	-	-	10.86	11.19	20.00	
MW-8S	-	-	-	-	8.01	8.54	19.00	
MW-8M	-	-	-	-	8.19	8.35	20.00	
MW-9	-	-	-	-	6.94	7.30	20.00	
MW-10	-	-	-	-	8.23	8.57	19.00	
MW-11	0858	9.02	-	-	8.39	8.69	20.00	
MW-12	0905	9.23	-	-	8.53	8.85	20.00	
MW-13	0927	9.63	-	-	8.93	9.26	19.00	
MW-14M	0901	8.98	0916	8.98	8.23	8.57	30.00	
MW-14D	0903	8.52	0918	8.52	7.81	8.11	55.00	
MW-15M	0944	8.85	0953	8.85	7.93	8.50	30.00	
MW-15D	0942	8.54	0957	8.53	8.25	8.19	55.00	
MW-16M	1012	8.92	1017	8.93	8.41	8.59	30.00	

Note: Total well depth = TWD

Depth to Water = DTW

highlighted locations = gauge twice

WELL GAUGING LOG (pg 2 of 2)

GE S. DAWSON

Date: 8/13/2013

WELL NUMBER	TIME WELL OPENED	INITIAL DTW (ft)	TIME	Measurement to Top of PVC Casing				Remarks
				DTW (ft)	May 2013 DTW (ft)	Aug 2012 DTW (ft)	TWD (ft)	
MW-16D	1014	8.73	1029	8.73	8.21	8.42	55.00	
MW-17M	0951	9.56	1006	9.56	8.95	9.20	30.00	
MW-17D	0953	9.71	1008	9.71	9.08	9.34	55.00	
MW-18M	1019	7.72	1035	7.72	7.16	7.39	30.00	
MW-18D	1021	7.56	1036	7.56	6.91	7.24	55.00	
MW-19M	0907	9.21	0911	9.21	8.45	8.81	30.00	
MW-20M	0855	9.22	0911	9.22	8.48	8.80	30.00	
MW-21S	0946	8.95	—	—	8.34	8.58	16.00	
EPI-1S	1055	9.65	1110	9.65	8.86	9.25	15.00	
EPI-1D	1053	9.61	1108	9.61	8.84	9.18	30.00	
EPI-2S	—	—	—	—	DRY	DRY	15.00	DTB:
EPI-2D	—	—	—	—	9.83	9.95	30.00	
EPI-3S	—	—	—	—	10.11	10.45	15.00	
EPI-3D	—	—	—	—	10.13	10.47	30.00	
EPI-4S	—	—	—	—	9.97	10.32	15.00	
EPI-4D	—	—	—	—	9.99	10.34	30.00	
RW-1	—	—	—	—	5.34	5.68	21.00	
RW-2	—	—	—	—	7.05	7.45	22.00	Flow Rate:
RW-3	—	—	—	—	9.78	9.82		Flow Rate:

highlighted locations = gauge twice

Equipment Calibration Log

Project Name: GE

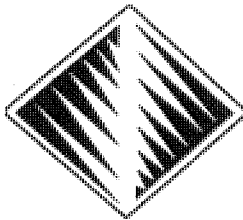
Field Activity: Semi-Annual GW Sampling

Page 1 of 1

Project No.:

Weather: Sunny 82°F

Circle or Write in Type/Equipment Model	Serial No.	Owned or Rented	Calibrated By	Date	Time	Parameter Calibrated and Calibration Standard	Calibration Pass?	Comments/Notes
YSI-556	UG9805X	Owned	A. Lundt	8/13/13	1005	DO ORP Reading: 229 Atmospheric Pressure: 760 DO Cal Reading: 8.89 mg/L	Yes	FEI
		Rented				pH pH 4.0 Initial pH reading: 4.0 pH 10.0 Initial pH reading: 10.0 pH 7.0 Initial pH reading: 7.0	Yes	
						Specific Conductivity Spec Conductivity: 409 µS/cm or mS/cm	Yes	
Turbidity Meter (HACH or LaMotte)		Owned Rented	AS	8/13/13	1015	Turbidity Turbidity Standards: 10 - 20 - 100 - 800	Yes	
PID		Owned Rented				VOC Isobutylene 100 ppm VOC: Fresh Air Calibration:		
YSI-556	UG9805X	Owned	A.S	8/14/13	0900	DO Atmospheric Pressure: 760 DO Cal Reading: 9.51 mg/L	Yes	FEI ORP: 229 mV
		Rented				pH pH 4.0 Initial pH reading: 3.91 pH 10.0 Initial pH reading: 9.93 pH 7.0 Initial pH reading: 7.13	Yes	
						Specific Conductivity Spec Conductivity: 1409 µS/cm or mS/cm	Yes	
Turbidity Meter (HACH or LaMotte)		Owned Rented	AS	8/14/13	0920	Turbidity Turbidity Standards: Turbidity verify 20 NTU	Yes	
PID		Owned Rented				VOC Isobutylene 100 ppm VOC: Fresh Air Calibration:		
YSI-556	UG9805X	Owned	AS	8/15/13	0945	DO Atmospheric Pressure: 759 mmHg DO Cal Reading: 8.82 mg/L	Yes	ORP: 229 mV ORP: 230 mV
		Rented				pH pH 4.0 Initial pH reading: 4.04 pH 10.0 Initial pH reading: 9.96 pH 7.0 Initial pH reading: 6.96	Yes	
						Specific Conductivity Spec Conductivity: 1409 µS/cm or mS/cm	Yes	
Turbidity Meter (HACH or LaMotte)		Owned Rented	AS	8/15/13	0955	Turbidity Turbidity Standards: Verify Cal. 20 NTU	Yes	
PID		Owned Rented				VOC Isobutylene 100 ppm VOC: Fresh Air Calibration:		



FIELD ENVIRONMENTAL INSTRUMENTS, INC.

www.fieldenvironmental.com

304 Brushton Avenue
Suite A
Pittsburgh PA 15221
800-393-4000 Toll Free
(412) 436-2600 Local
(412) 436-2618 Fax

YSI 556 MPS Calibration Certificate

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 7 @ 25 ^C	c086-25	4/3/2015	7.27	7.00	(6.86 to 7.14)
			pH mV value	-41.0	(0 mV +/- 50mV)

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 4 @ 25 ^C	c077-16	3/19/2015	3.88	4.00	(3.92 to 4.08)
			pH mV value	136.0	(124mV to 139mV)

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 10 @ 25 ^C	c022-09	1/24/2014	9.65	9.94	(9.80 to 10.20)
			pH mV value	-199.5	(-206mV to -221mV)

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
Conductivity	c049-14	2/20/2015	1.417	1.409	(1.338 to 1.479)
			Gain	0.980	(0.9 to 1.10)

Check Standard	Temp @	Reading	Acceptable Range
ORP	22.6	237.5	(+/- 2.0mV)

mV Offset	60.62	(0 +/- 100)
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Dissolved Oxygen	% Saturation	mg/L	Acceptable Range
	100.0	8.75	(.7 to 1.4)
Gain	0.84		

New DO Membrane

Yes No

DO Cap Color

Black Blue Yellow

Model	556-4 MPS
S/N	12j100964
Barcode	u69805x
Cable	13b22-2
Order #	230291

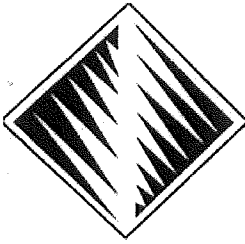
Calibrated By

Date of Calibration

*Solutions provided by LabChem (412-826-5230)

All calibrations performed by FEI conform to manufacturer's specifications. Please report any issues within 24 hours of receiving equipment.

All calibration solutions used are traceable to NIST. Additional documentation is available upon request.



FIELD ENVIRONMENTAL INSTRUMENTS, INC.

www.fieldenvironmental.com

301 Brushton Avenue
Suite A
Pittsburgh PA 15221
800-393-4009 Toll Free
(412) 436-2600 Local
(412) 436-2616 Fax

Turbidity Meter Calibration Certificate

	<u>Lot #</u>	<u>Exp Date</u>	<u>Reading</u>
0.0 NTU	C358570	3/1/14	0.0
10.0 NTU	C358938	3/1/14	10.0
100 NTU			
750 NTU			
1000 NTU			

Order #	230291
Model	2020WE
S/N	1246-3311
Barcode	U65722X

Calibrated By

Date of Calibration

All calibrations performed by Field Environmental Instruments conform to manufacturer's specifications.
Any problems must be reported to Field Environmental within 24 hours of receiving equipment.

Field Activity Log

Page: 1 of 1

Project Name: GE
 Project Number:
 Field Activity: Semi-Annual C&W Sampling
 Completed By: Abdulghani, Shaban
 Date: 08/13/13
 Weather: Sunny 82°F.
 Personnel on site: Bahar, Dean K. Ashley L.

- 0820: Arrived to the site, met with Dean and Ashley, and had H&S meeting. Filled out H&S tailgate sheet. Also we discussed scope of work.
- 0830: Mobilized and organized equipment and coolers.
- 0845: started gauging with Ashley, gauged 2 wells.
- 1100: Began setting up to sample inside Iridio building. Also calibrated equipment YSI and turbidimeter see calibration log for more details.
- 1140: started purging on EPI-MW-3S. After 10 min began recording parameters.
- 1200: Began sampling.
- 1215: Decon pump and set up on EPI-3D.
- 1228: started purging on EPI-3D. After 10 min began taking parameter.
- 1245: Began sampling.
- 1300: Decon pump and started setting up on EPI-2D.
- 1311: started purging on EPI-2D. After 10 min began collecting parameters.
- 1345: Began sampling.
- 1400: Decon pump and moved to the other side of building and started setting up on EPI-4S.
- 1440: Began purging on EPI-4S, After 10 min started taking parameters.
- 1515: started sampling.
- 1530: Began setting up on EPI-41D. Decon pump. the well is under desk of employer which was very busy. need 30 min to finish.
- 1630: the EPI-41D still not available to be sampled. will sample it tomorrow morning. packed up and moved to sample outside building.
- 1650: started purging on MW-10. After 10 min began recording parameters.
- 1710: Began sampling.
- 1730: packed up, cleaned up.
- 1800: left site.

Abdulghani Shaban

Field Activity Log

Page: 1 of 1

Project Name: AE
 Project Number:
 Field Activity: Semi-Annual GW Sampling
 Completed By: Abdulghani Sebban
 Date: 08/14/13
 Weather: partly cloudy
 Personnel on site: Ghani S, Dean K.

- 0830: Arrived to the site, put on PPE, filled out H&S tailgate sheet.
- 0850: started calibrating equipment, YSI turbidity meter.
- 0925: Began setting up on EPI-4D
- 1007: Started purging on EPI-4D, After 10 min began recording parameters.
- 1045: Began sampling.
- 1110: started packing up.
- 1155: Began setting up on MW-5, I had truck backed up to McKinstry Truck. Traffic cone. We exchange info. Patrick Bellows Truck #1266 Chevy Silverado. and called Dean, and Jason to let them know.
- 1206: started purging on MW-5, After 10 min began recording parameters
- 1255: Began sampling
- 1309: started purging on MW-1, After 10 min began taking parameters
- 1335: Began sampling.
- 1422: started purging on MW-11, After 10 min began recording parameters. DO was unstable.
- 1500: Began sampling.
- 1506: started purging on MW-14M. After 10 min began taking measurement.
- 1535: Began sampling.
- 1549: started purging on MW-14D. After 10 min began recording parameters.
- 1615: Began sampling, also collected Dup MW-14D @ 1700.
- 1650: started purging on MW-20M. After 10 min began recording parameters
- 1720: Began sampling.
- 1730: packed up, cleaned up, disposed purge water, mobilized equipment from Dean's van.
- 1805: left a site.

Abdulghani Sebban

Field Activity Log

Page: 1 of 1

Project Name: ONE Completed By: Abdelghani Selhane
 Project Number: _____ Date: 08/15/13
 Field Activity: Semi-Annual GW Sampling Weather: cloudy 74°F light rain
 Personnel on site: _____

- 0930: Arrived at the site, put on PPE, Filled out H&S Tailgate Sheet.
- 0945: started calibrating equipment YSI turbidimeter. See calibration Form for more details.
- 1042: started purging on MW-19M, After 10 min began recording parameters. DO, ORP, unstable also cond.
- 1130: Began sampling.
- 1145: started setting up on MW-4
- 1156: Began purging on MW-4, After 10 min started recording parameters.
- 1225: started sampling, also collected dup MW-400-0813 @ 1230
- 1245: Began packing up, cleaning up. organized coolers. disposed purge water, gathered no parking signs on 2nd Ave.
- 1320: started Filling out COC.
- 1500: left a site to the Lab.

Abdelghani Selhane

PROJECT GE - S. Dawson

COMPLETED BY D. Kinney

JOB NO. 60237964-200.7

APPROVED BY _____

DAY & DATE Tue Aug 13th, 2013

SHEET 1 OF 2

FIELD ACTIVITY SUBJECT: DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:	
GW Gauging & Sampling	
TIME	
0810	Arrived onsite & setup to sample
0830	MOS mtg
0845	Got equipment organized
0855	started gauging
1110	Completed gauging
1125	Went to get access to MW-7
1145	Set up on MW-7
1150	Calibrating meters - PSI (model 556) & LaMotte (model 2020)
1215	started purging MW-7
1240	Sampled MW-7 for VOC's (method 8260)
1301	started purging MW-3
1330	sampled MW-3 (same as MW-7)
1345	Dumped purge water
1355	Break
1430	Back onsite & setup to do MW-8 & 8M
1509	started purging MW-8S
1530	sampled MW-8S (same as MW-7)
1537	started purging MW-8M
1615	sampled MW-8M (same as MW-7)
1622	started purging MW-6
1640	sampled MW-6 (same as MW-7)
VISITORS ON SITE: <u>None</u>	
CHANGES FROM PLANS OR IMPORTANT DECISIONS: <u>None</u>	
WEATHER CONDITIONS: <u>Clear, 70 - 85°F</u>	
IMPORTANT TELEPHONE CALLS: <u>None</u>	
PERSONNEL ON SITE: <u>Dean Kinney</u>	

PROJECT GE - S. Dawson

COMPLETED BY D. Kinney

JOB NO. 60237964-200.2

APPROVED BY _____

DAY & DATE Wed Aug 14th, 2013

SHEET 1 OF 2

FIELD ACTIVITY SUBJECT: GW Sampling
 DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

TIME	
0805	Arrived onsite
0810	Calibrated meters & setup to sample
0838	Started purging MW-21S
0900	Sampled MW-21S for VOCs (method 8260) dup - MW-2150 813
0917	Started purging MW-15D
0950	Sampled MW-15D (same as MW-21S)
1004	Started purging MW-15M
1030	Sampled MW-15M (same as MW-21S)
1045	Dumped purge water & went to see about Ghan
1124	Started purging MW-16D
1140	Sampled MW-16D (same as MW-21S)
1206	Started purging MW-16M
1225	Sampled MW-16M (same as MW-21S)
1235	Dumped purge water & talked to Ghan
1304	Started purging MW-17D
1330	Sampled MW-17D (same as MW-21S)
1340	Started purging MW-17M
1405	Sampled MW-17M (same as MW-21S)
1420	Dumped purge water & talked to Ghan
1459	Started purging MW-18D
1520	Sampled MW-18D (same as MW-21S)
1531	Started purging MW-18M

VISITORS ON SITE:

None

CHANGES FROM PLANS OR IMPORTANT DECISIONS:

None

WEATHER CONDITIONS:

P. Cloudy, 65-75°F to Cloudy

IMPORTANT TELEPHONE CALLS:

None

PERSONNEL ON SITE: Dean Kinney

Daily Tailgate H&S Meeting Attendance Sheet

AECOM Project No.: _____

Project Activities: Semi-Annual QW

Project Name: ME

Sampling.

Presented By: Abdulghani Sebban

Date: 08/15/13

Topics Discussed:

Client Specific Topics:

- Contents of Site HASP
- Review JSAs/THAs
- Stop Work Authority
- Site Safety Officer: Abdulghani Sebban

-
-
-

Required PPE:

- Steel Toe Boots
- Hard Hat
- Traffic Vest
- Safety Glasses
- Nitrile Gloves
- Hearing Protection
- Long Sleeves
- Long Pants
- Knee Pads
- Other:

Emergency Procedures:

- Meeting Location: Indio parking lot
- Nearest Hospital: Harborview Hospital
- Safety Equipment Locations:**
 - First Aid Kit:
 - Eye Wash Station:
 - Fire Extinguisher:

General Housekeeping:

- Clean as We Go
- Location to Store Drums:

Contaminants of Concern:

- Petroleum Products
- Other: VOCs

Driving:

- Accidents are costly
- Back up safely
- Cell phone use not permitted

Weather:

cloudy 74°F.

Traffic Control Plan:

- Cones/Barricades
- Other:

Fitness for Duty:

- Are there any preexisting physical conditions that would prevent field staff from performing their assigned tasks

- All Onsite Equipment / Vehicles Inspected Prior to Work

Physical Hazards:

- Slips, Trips and Falls
- Safe Lifting Technique
- Pinch Points
- Biological
- Other:

Afternoon Safety Break Topics: _____

Site Specific Hazards: Traffic

Attendees:

Name	Signature	Company
<u>Abdulghani Sebban</u>	<u>Abdulghani Sebban</u>	<u>AECOM</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Daily Tailgate H&S Meeting Attendance Sheet

AECOM Project No.: _____

Project Activities: Semi-Annual QW

Project Name: GE

Sampling

Presented By: Abdulghani Selhami

Date: 08/14/13

Topics Discussed:

Client Specific Topics:

- Contents of Site HASP
- Review JSAs/THAs
- Stop Work Authority
- Site Safety Officer: Abdulghani Selhami

-
-
-

Required PPE:

- Steel Toe Boots
- Hard Hat
- Traffic Vest
- Safety Glasses
- Nitrile Gloves
- Hearing Protection
- Long Sleeves
- Long Pants
- Knee Pads
- Other:

Emergency Procedures:

Meeting Location: Eric's park dog lot

Nearest Hospital: Harbor view Hospital

Safety Equipment Locations:

- First Aid Kit:
- Eye Wash Station:
- Fire Extinguisher:

Driving:

- Accidents are costly
- Back up safely
- Cell phone use not permitted

All Onsite Equipment / Vehicles Inspected Prior to Work

General Housekeeping:

- Clean as We Go
- Location to Store Drums:

Weather:
Sunny 82°F

Traffic Control Plan:

- Cones/Barricades
- Other:

Physical Hazards:

- Slips, Trips and Falls
- Safe Lifting Technique
- Pinch Points
- Biological
- Other:

Contaminants of Concern:

- Petroleum Products
- Other: WCS

Fitness for Duty:

Are there any preexisting physical conditions that would prevent field staff from performing their assigned tasks

Afternoon Safety Break Topics: _____

Site Specific Hazards: Traffic

Attendees:

Name	Signature	Company
<u>Abdulghani Selhami</u>	<u>Abdulghani Selhami</u>	<u>AECOM</u>
<u>Dean Kinney</u>	<u>[Signature]</u>	<u>AECOM</u>

Daily Tailgate H&S Meeting Attendance Sheet

AECOM Project No.: _____

Project Activities: Semi-Annual GW

Project Name: GE

Sampling

Presented By: Abdulghani Sebhan

Date: 08/13/13

Topics Discussed:

Client Specific Topics:

Contents of Site HASP

Review JSAs/THAs

Stop Work Authority

Site Safety Officer: Abdulghani Sebhan

Required PPE:

Steel Toe Boots

Hard Hat

Traffic Vest

Safety Glasses

Nitrile Gloves

Hearing Protection

Long Sleeves

Long Pants

Knee Pads

Other:

Contaminants of Concern:

Petroleum Products

Other: Vol's

Fitness for Duty:

Are there any preexisting physical conditions that would prevent field staff from performing their assigned tasks

Emergency Procedures:

Meeting Location:

Triduo Building

Nearest Hospital:

Harbor View Hospital

Safety Equipment Locations:

First Aid Kit:

Eye Wash Station:

Fire Extinguisher:

Driving:

Accidents are costly

Back up safely

Cell phone use not permitted

All Onsite Equipment / Vehicles Inspected Prior to Work

General Housekeeping:

Clean as We Go

Location to Store Drums:

Weather:

Sunny 82°F

Traffic Control Plan:

Cones/Barricades

Other:

Physical Hazards:

Slips, Trips and Falls

Safe Lifting Technique

Pinch Points

Biological

Other:

Afternoon Safety Break Topics: _____

Site Specific Hazards: Traffic

Attendees:

Name

Signature

Company

Abdulghani Sebhan
Dean Kinney
Ashley Lundell

Abdulghani Sebhan
[Signature]
[Signature]

AECOM
AECOM
AECOM

Attachment C
Analytical Reports



Analytical Resources, Incorporated
Analytical Chemists and Consultants

22 August 2013

Jason Palmer
AECOM, Inc.
710 2nd Avenue
Suite 1000
Seattle, WA 98104

RE: Client Project: GE, 60237964-200.2
ARI Job Nos: XA31, XA32

Dear Jason:

Please find enclosed the original chain of custody records and the final results for samples from the project referenced above. Analytical Resources, Inc accepted thirty-three water samples and one trip blank on August 15, 2013. The samples were analyzed for VOAs and SIM-VOAs as requested.

The percent differences (%Ds) for several compounds were not within control limits for the CCALs that bracketed the 8260-VOA analyses of these samples. All positive results for these compounds have been flagged with a "Q" qualifier to denote the high %Ds.

Sample MW-14D-0813 was re-analyzed for 8260-VOAs due to suspected carryover in its original analysis. The results for the re-analysis only have been submitted for this sample.

The remaining analyses proceeded without incident of note.

A copy of these reports and all raw data will be kept on file at ARI. Should you have any questions regarding these results, please feel free to call me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.


Mark D. Harris
Project Manager
206/695-6210
<markh@arilabs.com>

Enclosures

cc: files XA31, XA32

MDH/mdh

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:		Turn-around Requested: <i>Standard</i>			Page: <i>1</i> of <i>4</i>				
ARI Client Company: <i>AECOM</i>		Phone: <i>206-624-9349</i>			Date: <i>08/15/13</i>	Ice Present? <i>Y</i>			
Client Contact: <i>JASON PALMER TOSon.Palmer@aecom.com</i>		Client Project Name: <i>GE</i>			No. of Coolers: <i>3</i>	Cooler Temps: <i>1.7, 1.9, 0.7</i>			
Client Project #: <i>60231964-200.2</i>		Samplers: <i>A. Sebane, Ashley L D. Kinney</i>			Analysis Requested				
Sample ID	Date	Time	Matrix	No. Containers	VOCs 8260	VOCs 8260 SIM: PCE, TCE, VC			
<i>MW-1-0813</i>	<i>8/14/13</i>	<i>1335</i>	<i>BW</i>	<i>5</i>	<i>X</i>	<i>X</i>			
<i>MW-3-0813</i>	<i>8/13/13</i>	<i>1330</i>		<i>5</i>	<i>X</i>	<i>X</i>			
<i>MW-4-0813</i>	<i>8/15/13</i>	<i>1225</i>		<i>5</i>	<i>X</i>	<i>X</i>			
<i>MW-5-0813</i>	<i>8/14/13</i>	<i>1255</i>		<i>5</i>	<i>X</i>	<i>X</i>			
<i>MW-6-0813</i>	<i>8/13/13</i>	<i>1640</i>		<i>5</i>	<i>X</i>	<i>X</i>			
<i>MW-7-0813</i>	<i>8/13/13</i>	<i>1240</i>		<i>5</i>	<i>X</i>	<i>X</i>			
<i>MW-8S-0813</i>	<i>8/13/13</i>	<i>1530</i>		<i>5</i>	<i>X</i>	<i>X</i>			
<i>MW-8M-0813</i>	<i>8/13/13</i>	<i>1615</i>		<i>5</i>	<i>X</i>	<i>X</i>			
<i>MW-10-0813</i>	<i>8/13/13</i>	<i>1710</i>		<i>5</i>	<i>X</i>	<i>X</i>			
<i>MW-11-0813</i>	<i>8/14/13</i>	<i>1500</i>	<i>✓</i>	<i>5</i>	<i>X</i>	<i>X</i>			
Comments/Special Instructions		Relinquished by (Signature) <i>Abdul'Claw' Sebane</i>		Received by (Signature) <i>Jennifer Millsap</i>		Relinquished by (Signature)		Received by (Signature)	
		Printed Name <i>Abdul'Claw' Sebane</i>		Printed Name <i>Jennifer Millsap</i>		Printed Name:		Printed Name:	
		Company <i>AECOM</i>		Company <i>ARI</i>		Company:		Company:	
		Date & Time <i>08/15/13 @ 1510</i>		Date & Time <i>8/15/13 1510</i>		Date & Time:		Date & Time:	



Analytical Resources, Incorporated
 Analytical Chemists and Consultants
 4611 South 134th Place, Suite 100
 Tukwila, WA 98168
 206-695-6200 206-695-6201 (fax)

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, notwithstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Chain of Custody Record & Laboratory Analysis Request



Analytical Resources, Incorporated
 Analytical Chemists and Consultants
 4611 South 134th Place, Suite 100
 Tukwila, WA 98168
 206-695-6200 206-695-6201 (fax)

ARI Assigned Number:	Turn-around Requested: <i>Standard</i>	Page: <i>2</i> of <i>4</i>
ARI Client Company: <i>AECOM</i>	Phone: <i>206-624-9349</i>	Date: <i>08/15/13</i>
Client Contact: <i>Jason Palmer</i>	No. of Coolers: <i>3</i>	Ice Present? <i>Y</i>
Client Project Name: <i>GE</i>	Cooler Temps: <i>1.7, 1.9, 0.9</i>	

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested						Notes/Comments	
					VOCs	VOCs & 260	SIM	PCE/TCE/VC				
MW-12-0813	8/14/13	1725	GW	5	X	X						
MW-13-0813	8/13/13	1720		5	X	X						
MW-14M-0813	8/14/13	1535		5	X	X						
MW-14D-0813	8/14/13	1615		5	X	X						
MW-15M-0813	8/14/13	1030		5	X	X						
MW-15D-0813	8/14/13	0950		5	X	X						
MW-16M-0813	8/14/13	1225		5	X	X						
MW-16D-0813	8/14/13	1150		15	X	X						MS/MSD -
MW-17M-0813	8/14/13	1405		5	X	X						
MW-17D-0813	8/14/13	1330	↓	5	X	X						

Comments/Special Instructions	Relinquished by (Signature): <i>Abdulhameed Johnson</i>	Received by (Signature): <i>Jennifer Wilkes</i>	Relinquished by (Signature):	Received by (Signature):
	Printed Name: <i>Abdulhameed Johnson</i>	Printed Name: <i>Jennifer Wilkes</i>	Printed Name:	Printed Name:
	Company: <i>AECOM</i>	Company: <i>ARI</i>	Company:	Company:
	Date & Time: <i>08/15/13 @ 1510</i>	Date & Time: <i>8/15/13 1510</i>	Date & Time:	Date & Time:

2000010000

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, notwithstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

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Chain of Custody Record & Laboratory Analysis Request



Analytical Resources, Incorporated
 Analytical Chemists and Consultants
 4611 South 134th Place, Suite 100
 Tukwila, WA 98168
 206-695-6200 206-695-6201 (fax)

ARI Assigned Number: XB3Z	Turn-around Requested: standard	Page: 3 of 4
ARI Client Company: AECOM	Phone: 206-624-9349	Date: 08/15/13
Client Contact: Jason Palmer	No. of Coolers: 3	Ice Present? 4
Client Project Name: Jason Palmer C&E	Cooler Temps: 1.7, 1.9, 0.7	

Client Project #: 60237964-200.2	Samplers: A. Sebbone D. Kinney	Analysis Requested	Notes/Comments
---	---	--------------------	----------------

Sample ID	Date	Time	Matrix	No Containers	VOCs 8260	VOCs 8260 SIM: PCB, TC, E, VC									
MW-18M-0813	8/14/13	1605	GW	15	X	X									MS/MSD
MW-18D-0813	8/14/13	1520		5	X	X									
MW-19M-0813	8/15/13	1130		5	X	X									
MW-20M-0813	8/14/13	1720		5	X	X									
MW-21S-0813	8/14/13	0900		5	X	X									
EPI-MW-2D-0813	8/13/13	1345		5	X	X									USE this sample ID*
EPI-MW-3S-0813	8/13/13	1200		5	X	X									↓
EPI-MW-3D-0813	8/13/13	1245		5	X	X									
EPI-MW-4S-0813	8/13/13	1515		5	X	X									
EPI-MW-4D-0813	8/14/13	1045	↓	5	X	X									

Comments/Special Instructions * Label's sample ID is missing MW.	Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Relinquished by (Signature):	Received by (Signature):
	Printed Name: <i>Alexander Sebbone</i>	Printed Name: <i>Jennifer Millsep</i>	Printed Name:	Printed Name:
	Company: <i>AECOM</i>	Company: <i>ARI</i>	Company:	Company:
	Date & Time: <i>08/15/13 @ 1510</i>	Date & Time: <i>8/15/13 1510</i>	Date & Time:	Date & Time:

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, notwithstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

0000010000

Chain of Custody Record & Laboratory Analysis Request



Analytical Resources, Incorporated
 Analytical Chemists and Consultants
 4611 South 134th Place, Suite 100
 Tukwila, WA 98168
 206-695-6200 206-695-6201 (fax)

ARI Assigned Number:	Turn-around Requested: <i>Standard</i>	Page: <i>4</i> of <i>4</i>
ARI Client Company: <i>AECOM</i>	Phone: <i>206-624-9349</i>	Date: <i>08/15/13</i>
Client Contact: <i>Jason Palmer</i>	No. of Coolers: <i>3</i>	Ice Present? <input checked="" type="checkbox"/>
Client Project Name: <i>GTE</i>	Cooler Temps: <i>1.7, 1.9, 0.7</i>	

Sample ID	Date	Time	Matrix	No Containers	Analysis Requested								Notes/Comments		
					VOCs	8260	VOCs 8260	SIM	PCE, TCE, VC						
MW-400-0813	8/15/13	1330	GW	5	X	X									
MW-140D-0813	8/14/13	1700	GW	5	X	X									
MW-210S-0813	8/14/13	0915	GW	5	X	X									
TB-0813	-	-	W	4	X										

Comments/Special Instructions	Relinquished by (Signature): <i>Abdullah Sebake</i>	Received by (Signature): <i>Jennifer Milby</i>	Relinquished by (Signature):	Received by (Signature):
	Printed Name: <i>Abdullah Sebake</i>	Printed Name: <i>Jennifer Milby</i>	Printed Name:	Printed Name:
	Company: <i>AECOM</i>	Company: <i>ARI</i>	Company:	Company:
	Date & Time: <i>08/15/13 @ 1510</i>	Date & Time: <i>08/15/13 1510</i>	Date & Time:	Date & Time:

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, notwithstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

40000:1513



Cooler Receipt Form

ARI Client: AECUM

Project Name: GE

COC No(s) _____ (NA)

Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____

Assigned ARI Job No XB31

Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler? YES (NO)

Were custody papers included with the cooler? YES (NO)

Were custody papers properly filled out (ink, signed, etc.) YES (NO)

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry) 1.7 1.9 0.7

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID# 122412224

Cooler Accepted by: Jm Date: 8/15/13 Time: 1510

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? YES (NO)

What kind of packing material was used? Bubble Wrap Wet Ice Gel Packs Eggs Foam Block Paper Other: _____

Was sufficient ice used (if appropriate)? NA YES (NO)

Were all bottles sealed in individual plastic bags? Yes (NO)

Did all bottles arrive in good condition (unbroken)? YES (NO)

Were all bottle labels complete and legible? YES (NO)

Did the number of containers listed on COC match with the number of containers received? YES (NO)

Did all bottle labels and tags agree with custody papers? YES (NO)

Were all bottles used correct for the requested analyses? YES (NO)

Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs) NA YES (NO)

Were all VOC vials free of air bubbles? NA YES (NO)

Was sufficient amount of sample sent in each bottle? YES (NO)

Date VOC Trip Blank was made at ARI... NA

Was Sample Split by ARI: NA YES Date/Time _____ Equipment _____ Split by: _____

Samples Logged by: JS Date: 8-16-13 Time: 911

**** Notify Project Manager of discrepancies or concerns ****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: _____ Date: _____



Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"



Cooler Receipt Form

ARI Client: AECUM
COC No(s) _____ (NA)
Assigned ARI Job No: 2932

Project Name: GE
Delivered by Fed-Ex UPS Courier Hand Delivered Other _____
Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler? YES NO
Were custody papers included with the cooler? YES NO
Were custody papers properly filled out (ink, signed, etc.)? YES NO

Temperature of Cooler(s) (°C) (recommended 2 0-6 0 °C for chemistry): 17 19 0.7
If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 122412004

Cooler Accepted by: JM Date: 8/15/13 Time: 1510

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? YES NO
What kind of packing material was used? Bubble Wrap Wet Ice Gel Packs Baggies Foam Block Paper Other: _____
Was sufficient ice used (if appropriate)? NA YES NO
Were all bottles sealed in individual plastic bags? YES NO
Did all bottles arrive in good condition (unbroken)? YES NO
Were all bottle labels complete and legible? YES NO
Did the number of containers listed on COC match with the number of containers received? YES NO
Did all bottle labels and tags agree with custody papers? YES NO
Were all bottles used correct for the requested analyses? YES NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs) NA YES NO
Were all VOC vials free of air bubbles? NA YES NO
Was sufficient amount of sample sent in each bottle? YES NO
Date VOC Trip Blank was made at ARI: NA 8-7-13
Was Sample Split by ARI: NA YES Date/Time: _____ Equipment: _____ Split by: _____

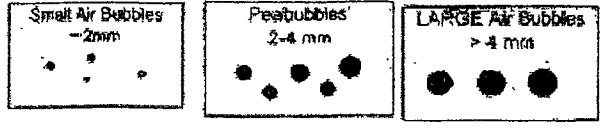
Samples Logged by: JZ Date: 8.16.13 Time: 910

**** Notify Project Manager of discrepancies or concerns ****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: _____ Date: _____



Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

Sample ID Cross Reference Report



ARI Job No: XB31
Client: AECOM
Project Event: 60237964-200.2
Project Name: GE

Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1. MW-1-0813	XB31A	13-17062	Water	08/14/13 13:35	08/15/13 15:10
2. MW-3-0813	XB31B	13-17063	Water	08/13/13 13:30	08/15/13 15:10
3. MW-4-0813	XB31C	13-17064	Water	08/15/13 12:25	08/15/13 15:10
4. MW-5-0813	XB31D	13-17065	Water	08/14/13 12:55	08/15/13 15:10
5. MW-6-0813	XB31E	13-17066	Water	08/13/13 16:40	08/15/13 15:10
6. MW-7-0813	XB31F	13-17067	Water	08/13/13 12:40	08/15/13 15:10
7. MW-8S-0813	XB31G	13-17068	Water	08/13/13 15:30	08/15/13 15:10
8. MW-8M-0813	XB31H	13-17069	Water	08/13/13 16:15	08/15/13 15:10
9. MW-10-0813	XB31I	13-17070	Water	08/13/13 17:10	08/15/13 15:10
10. MW-11-0813	XB31J	13-17071	Water	08/14/13 15:00	08/15/13 15:10
11. MW-12-0813	XB31K	13-17072	Water	08/14/13 17:25	08/15/13 15:10
12. MW-13-0813	XB31L	13-17073	Water	08/13/13 17:20	08/15/13 15:10
13. MW-14M-0813	XB31M	13-17074	Water	08/14/13 15:35	08/15/13 15:10
14. MW-14D-0813	XB31N	13-17075	Water	08/14/13 16:15	08/15/13 15:10
15. MW-15M-0813	XB31O	13-17076	Water	08/14/13 10:30	08/15/13 15:10
16. MW-15D-0813	XB31P	13-17077	Water	08/14/13 09:50	08/15/13 15:10
17. MW-16M-0813	XB31Q	13-17078	Water	08/14/13 12:25	08/15/13 15:10
18. MW-16D-0813	XB31R	13-17079	Water	08/14/13 11:50	08/15/13 15:10
19. MW-17M-0813	XB31S	13-17080	Water	08/14/13 14:05	08/15/13 15:10
20. MW-17D-0813	XB31T	13-17081	Water	08/14/13 13:50	08/15/13 15:10

Sample ID Cross Reference Report



ARI Job No: XB32
Client: AECOM
Project Event: 60237964-200.2
Project Name: GE

Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1. MW-18M-0813	XB32A	13-17082	Water	08/14/13 16:05	08/15/13 15:10
2. MW-18D-0813	XB32B	13-17083	Water	08/14/13 15:20	08/15/13 15:10
3. MW-19M-0813	XB32C	13-17084	Water	08/15/13 11:30	08/15/13 15:10
4. MW-20M-0813	XB32D	13-17085	Water	08/14/13 17:20	08/15/13 15:10
5. MW-21S-0813	XB32E	13-17086	Water	08/14/13 09:00	08/15/13 15:10
6. EPI-MW-2D-0813	XB32F	13-17087	Water	08/13/13 13:45	08/15/13 15:10
7. EPI-MW-3S-0813	XB32G	13-17088	Water	08/13/13 12:00	08/15/13 15:10
8. EPI-MW-3D-0813	XB32H	13-17089	Water	08/13/13 12:45	08/15/13 15:10
9. EPI-MW-4S-0813	XB32I	13-17090	Water	08/13/13 15:15	08/15/13 15:10
10. EPI-MW-4D-0813	XB32J	13-17091	Water	08/14/13 10:45	08/15/13 15:10
11. MW-400-0813	XB32K	13-17092	Water	08/15/13 13:30	08/15/13 15:10
12. MW-140D-0813	XB32L	13-17093	Water	08/14/13 17:00	08/15/13 15:10
13. MW-210S-0813	XB32M	13-17094	Water	08/14/13 09:15	08/15/13 15:10
14. TB-0813	XB32N	13-17095	Water	08/13/13	08/15/13 15:10



Data Reporting Qualifiers

Effective 2/14/2011

Inorganic Data

- U Indicates that the target analyte was not detected at the reported concentration
- * Duplicate RPD is not within established control limits
- B Reported value is less than the CRDL but \geq the Reporting Limit
- N Matrix Spike recovery not within established control limits
- NA Not Applicable, analyte not spiked
- H The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible
- L Analyte concentration is ≤ 5 times the Reporting Limit and the replicate control limit defaults to ± 1 RL instead of the normal 20% RPD

Organic Data

- U Indicates that the target analyte was not detected at the reported concentration
- * Flagged value is not within established control limits
- B Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.
- J Estimated concentration when the value is less than ARI's established reporting limits
- D The spiked compound was not detected due to sample extract dilution
- E Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- Q Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria ($< 20\%$ RSD, $< 20\%$ Drift or minimum RRF).



- S Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte
- NA The flagged analyte was not analyzed for
- NR Spiked compound recovery is not reported due to chromatographic interference
- NS The flagged analyte was not spiked into the sample
- M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses
- M2 The sample contains PCB congeners that do not match any standard Aroclor pattern. The PCBs are identified and quantified as the Aroclor whose pattern most closely matches that of the sample. The reported value is an estimate.
- N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"
- Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.
- EMPC Estimated Maximum Possible Concentration (EMPC) defined in EPA Statement of Work DLM02.2 as a value "calculated for 2,3,7,8-substituted isomers for which the quantitation and /or confirmation ion(s) has signal to noise in excess of 2.5, but does not meet identification criteria" **(Dioxin/Furan analysis only)**
- C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column
- P The analyte was detected on both chromatographic columns but the quantified values differ by $\geq 40\%$ RPD with no obvious chromatographic interference
- X Analyte signal includes interference from polychlorinated diphenyl ethers. **(Dioxin/Furan analysis only)**
- Z Analyte signal includes interference from the sample matrix or perfluorokerosene ions. **(Dioxin/Furan analysis only)**



Geotechnical Data

- A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.
- F Samples were frozen prior to particle size determination
- SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations
- SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis
- W Weight of sample in some pipette aliquots was below the level required for accurate weighting

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MB-081613A

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METHOD BLANK

Lab Sample ID: MB-081613A

QC Report No: XB31-AECOM

LIMS ID: 13-17062

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MWJ*

Date Sampled: NA

Reported: 08/21/13

Date Received: NA

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 09:34

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MB-081613A

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METHOD BLANK

Lab Sample ID: MB-081613A

QC Report No: XB31-AECOM

LIMS ID: 13-17062

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/16/13 09:34

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	106%
d8-Toluene	96.0%
Bromofluorobenzene	100%
d4-1,2-Dichlorobenzene	104%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MB-081913A

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METHOD BLANK

Lab Sample ID: MB-081913A

QC Report No: XB31-AECOM

LIMS ID: 13-17070

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: NA

Reported: 08/21/13

Date Received: NA

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 10:44

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

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Sample ID: MB-081913A

METHOD BLANK

Lab Sample ID: MB-081913A

QC Report No: XB31-AECOM

LIMS ID: 13-17070

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 10:44

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	95.9%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	104%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MB-082013A

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METHOD BLANK

Lab Sample ID: MB-082013A

QC Report No: XB31-AECOM

LIMS ID: 13-17075

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *mmw*

Date Sampled: NA

Reported: 08/21/13

Date Received: NA

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 10:55

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

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Sample ID: MB-082013A

METHOD BLANK

Lab Sample ID: MB-082013A

QC Report No: XB31-AECOM

LIMS ID: 13-17075

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 10:55

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	93.6%
Bromofluorobenzene	106%
d4-1,2-Dichlorobenzene	105%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-1-0813

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SAMPLE

Lab Sample ID: XB31A

QC Report No: XB31-AECOM

LIMS ID: 13-17062

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MMW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 15:25

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	3.7	
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	8.2	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-1-0813

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SAMPLE

Lab Sample ID: XB31A

QC Report No: XB31-AECOM

LIMS ID: 13-17062

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/16/13 15:25

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	94.5%
Bromofluorobenzene	98.0%
d4-1,2-Dichlorobenzene	102%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-3-0813

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SAMPLE

Lab Sample ID: XB31B

QC Report No: XB31-AECOM

LIMS ID: 13-17063

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MMW*

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 15:51

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	0.55	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	0.22	
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-3-0813

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SAMPLE

Lab Sample ID: XB31B

QC Report No: XB31-AECOM

LIMS ID: 13-17063

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/16/13 15:51

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	106%
d8-Toluene	95.2%
Bromofluorobenzene	98.9%
d4-1,2-Dichlorobenzene	102%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-4-0813

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SAMPLE

Lab Sample ID: XB31C

QC Report No: XB31-AECOM

LIMS ID: 13-17064

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *TWW*

Date Sampled: 08/15/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 16:18

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	1.4	
75-34-3	1,1-Dichloroethane	0.20	2.2	
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	3.3	
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	10	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	0.71	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-4-0813

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SAMPLE

Lab Sample ID: XB31C

QC Report No: XB31-AECOM

LIMS ID: 13-17064

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/16/13 16:18

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	92.7%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	102%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-5-0813

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SAMPLE

Lab Sample ID: XB31D

QC Report No: XB31-AECOM

LIMS ID: 13-17065

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MMW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 16:44

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	0.50	
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-5-0813

Page 2 of 2

SAMPLE

Lab Sample ID: XB31D

QC Report No: XB31-AECOM

LIMS ID: 13-17065

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/16/13 16:44

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	97.0%
Bromofluorobenzene	96.5%
d4-1,2-Dichlorobenzene	102%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-6-0813

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SAMPLE

Lab Sample ID: XB31E

QC Report No: XB31-AECOM

LIMS ID: 13-17066

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MMW*

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 17:11

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	0.60	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-6-0813

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SAMPLE

Lab Sample ID: XB31E

QC Report No: XB31-AECOM

LIMS ID: 13-17066

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/16/13 17:11

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	98.3%
Bromofluorobenzene	104%
d4-1,2-Dichlorobenzene	103%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-7-0813

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SAMPLE

Lab Sample ID: XB31F

QC Report No: XB31-AECOM

LIMS ID: 13-17067

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 17:38

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	1.2	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	3.7	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-7-0813

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SAMPLE

Lab Sample ID: XB31F

QC Report No: XB31-AECOM

LIMS ID: 13-17067

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/16/13 17:38

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	96.5%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	103%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-8S-0813

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SAMPLE

Lab Sample ID: XB31G

QC Report No: XB31-AECOM

LIMS ID: 13-17068

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 18:04

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	0.20	
156-60-5	trans-1,2-Dichloroethene	0.20	0.21	
156-59-2	cis-1,2-Dichloroethene	0.20	2.3	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	9.7	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-8S-0813

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SAMPLE

Lab Sample ID: XB31G

QC Report No: XB31-AECOM

LIMS ID: 13-17068

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/16/13 18:04

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	93.1%
Bromofluorobenzene	97.1%
d4-1,2-Dichlorobenzene	98.6%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-8M-0813

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SAMPLE

Lab Sample ID: XB31H

QC Report No: XB31-AECOM

LIMS ID: 13-17069

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 18:31

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	0.23	
75-34-3	1,1-Dichloroethane	0.20	0.26	
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-8M-0813

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SAMPLE

Lab Sample ID: XB31H

QC Report No: XB31-AECOM

LIMS ID: 13-17069

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/16/13 18:31

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	97.5%
Bromofluorobenzene	104%
d4-1,2-Dichlorobenzene	106%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-10-0813

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SAMPLE

Lab Sample ID: XB31I

QC Report No: XB31-AECOM

LIMS ID: 13-17070

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MMW*

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 11:19

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-10-0813

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SAMPLE

Lab Sample ID: XB31I

QC Report No: XB31-AECOM

LIMS ID: 13-17070

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 11:19

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	93.3%
Bromofluorobenzene	98.8%
d4-1,2-Dichlorobenzene	106%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-11-0813

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SAMPLE

Lab Sample ID: XB31J

QC Report No: XB31-AECOM

LIMS ID: 13-17071

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *TMM*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 11:46

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	0.26	
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	0.93	
75-34-3	1,1-Dichloroethane	0.20	1.4	
156-60-5	trans-1,2-Dichloroethene	0.20	7.2	
156-59-2	cis-1,2-Dichloroethene	0.20	25	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	8.5	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-11-0813

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SAMPLE

Lab Sample ID: XB31J

QC Report No: XB31-AECOM

LIMS ID: 13-17071

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 11:46

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	104%
d8-Toluene	93.4%
Bromofluorobenzene	98.7%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-12-0813

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SAMPLE

Lab Sample ID: XB31K

QC Report No: XB31-AECOM

LIMS ID: 13-17072

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 12:12

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-12-0813

Page 2 of 2

SAMPLE

Lab Sample ID: XB31K

QC Report No: XB31-AECOM

LIMS ID: 13-17072

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 12:12

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	92.1%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-13-0813

Page 1 of 2

SAMPLE

Lab Sample ID: XB31L

QC Report No: XB31-AECOM

LIMS ID: 13-17073

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 12:39

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-13-0813

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SAMPLE

Lab Sample ID: XB31L

QC Report No: XB31-AECOM

LIMS ID: 13-17073

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 12:39

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	107%
d8-Toluene	93.6%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	103%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-14M-0813

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SAMPLE

Lab Sample ID: XB31M

QC Report No: XB31-AECOM

LIMS ID: 13-17074

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MMW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 13:05

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	1.2	
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	14	
75-34-3	1,1-Dichloroethane	0.20	10	
156-60-5	trans-1,2-Dichloroethene	0.20	66	
156-59-2	cis-1,2-Dichloroethene	0.20	120	E
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	58	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-14M-0813

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SAMPLE

Lab Sample ID: XB31M

QC Report No: XB31-AECOM

LIMS ID: 13-17074

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 13:05

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	103%
d8-Toluene	91.6%
Bromofluorobenzene	104%
d4-1,2-Dichlorobenzene	107%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-14M-0813

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DILUTION

Lab Sample ID: XB31M

QC Report No: XB31-AECOM

LIMS ID: 13-17074

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MMW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 2.00 mL

Date Analyzed: 08/20/13 12:32

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	2.5	< 2.5	U
74-83-9	Bromomethane	5.0	< 5.0	U
75-01-4	Vinyl Chloride	1.0	1.2	
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	5.0	< 5.0	U
67-64-1	Acetone	25	< 25	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	14	
75-34-3	1,1-Dichloroethane	1.0	11	
156-60-5	trans-1,2-Dichloroethene	1.0	69	
156-59-2	cis-1,2-Dichloroethene	1.0	130	
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	25	< 25	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	61	
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	5.0	< 5.0	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	25	< 25	U
591-78-6	2-Hexanone	25	< 25	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	< 1.0	U
179601-23-1	m,p-Xylene	2.0	< 2.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-14M-0813

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DILUTION

Lab Sample ID: XB31M

QC Report No: XB31-AECOM

LIMS ID: 13-17074

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 12:32

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	25	< 25	U
74-88-4	Iodomethane	5.0	< 5.0	U
74-96-4	Bromoethane	1.0	< 1.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	< 2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	< 2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	2.5	< 2.5	U
106-93-4	1,2-Dibromoethane	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	U
91-20-3	Naphthalene	2.5	< 2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	104%
d8-Toluene	89.0%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	102%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-14D-0813

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SAMPLE

Lab Sample ID: XB31N

QC Report No: XB31-AECOM

LIMS ID: 13-17075

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MMW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 12:59

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	0.68	
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	1.0	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-14D-0813

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SAMPLE

Lab Sample ID: XB31N

QC Report No: XB31-AECOM

LIMS ID: 13-17075

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 12:59

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	91.9%
Bromofluorobenzene	104%
d4-1,2-Dichlorobenzene	103%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-15M-0813

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SAMPLE

Lab Sample ID: XB310

QC Report No: XB31-AECOM

LIMS ID: 13-17076

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 13:58

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	0.73	
75-34-3	1,1-Dichloroethane	0.20	1.0	
156-60-5	trans-1,2-Dichloroethene	0.20	1.1	
156-59-2	cis-1,2-Dichloroethene	0.20	15	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	47	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

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Sample ID: MW-15M-0813

SAMPLE



Lab Sample ID: XB310

QC Report No: XB31-AECOM

LIMS ID: 13-17076

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 13:58

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	92.5%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	102%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-15D-0813

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SAMPLE

Lab Sample ID: XB31P

QC Report No: XB31-AECOM

LIMS ID: 13-17077

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *mmw*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 14:25

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	0.72	
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	0.97	
75-34-3	1,1-Dichloroethane	0.20	5.1	
156-60-5	trans-1,2-Dichloroethene	0.20	3.2	
156-59-2	cis-1,2-Dichloroethene	0.20	64	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	40	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-15D-0813

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SAMPLE

Lab Sample ID: XB31P

QC Report No: XB31-AECOM

LIMS ID: 13-17077

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 14:25

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	106%
d8-Toluene	91.9%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	102%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-16M-0813

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SAMPLE

Lab Sample ID: XB31Q

QC Report No: XB31-AECOM

LIMS ID: 13-17078

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 14:51

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-16M-0813

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SAMPLE

Lab Sample ID: XB31Q

QC Report No: XB31-AECOM

LIMS ID: 13-17078

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 14:51

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	93.0%
Bromofluorobenzene	104%
d4-1,2-Dichlorobenzene	102%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-16D-0813

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SAMPLE

Lab Sample ID: XB31R

QC Report No: XB31-AECOM

LIMS ID: 13-17079

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 15:17

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-16D-0813

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SAMPLE

Lab Sample ID: XB31R

QC Report No: XB31-AECOM

LIMS ID: 13-17079

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 15:17

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	106%
d8-Toluene	93.7%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	108%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-16D-0813

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MATRIX SPIKE

Lab Sample ID: XB31R

QC Report No: XB31-AECOM

LIMS ID: 13-17079

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 19:15

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	---	
74-83-9	Bromomethane	1.0	---	
75-01-4	Vinyl Chloride	0.20	---	
75-00-3	Chloroethane	0.20	---	
75-09-2	Methylene Chloride	1.0	---	
67-64-1	Acetone	5.0	---	
75-15-0	Carbon Disulfide	0.20	---	
75-35-4	1,1-Dichloroethene	0.20	---	
75-34-3	1,1-Dichloroethane	0.20	---	
156-60-5	trans-1,2-Dichloroethene	0.20	---	
156-59-2	cis-1,2-Dichloroethene	0.20	---	
67-66-3	Chloroform	0.20	---	
107-06-2	1,2-Dichloroethane	0.20	---	
78-93-3	2-Butanone	5.0	---	
71-55-6	1,1,1-Trichloroethane	0.20	---	
56-23-5	Carbon Tetrachloride	0.20	---	
108-05-4	Vinyl Acetate	0.20	---	
75-27-4	Bromodichloromethane	0.20	---	
78-87-5	1,2-Dichloropropane	0.20	---	
10061-01-5	cis-1,3-Dichloropropene	0.20	---	
79-01-6	Trichloroethene	0.20	---	
124-48-1	Dibromochloromethane	0.20	---	
79-00-5	1,1,2-Trichloroethane	0.20	---	
71-43-2	Benzene	0.20	---	
10061-02-6	trans-1,3-Dichloropropene	0.20	---	
110-75-8	2-Chloroethylvinylether	1.0	---	
75-25-2	Bromoform	0.20	---	
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	---	
591-78-6	2-Hexanone	5.0	---	
127-18-4	Tetrachloroethene	0.20	---	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	---	
108-88-3	Toluene	0.20	---	
108-90-7	Chlorobenzene	0.20	---	
100-41-4	Ethylbenzene	0.20	---	
100-42-5	Styrene	0.20	---	
75-69-4	Trichlorofluoromethane	0.20	---	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	---	
179601-23-1	m,p-Xylene	0.40	---	
95-47-6	o-Xylene	0.20	---	
95-50-1	1,2-Dichlorobenzene	0.20	---	
541-73-1	1,3-Dichlorobenzene	0.20	---	
106-46-7	1,4-Dichlorobenzene	0.20	---	

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

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Sample ID: MW-16D-0813

MATRIX SPIKE

Lab Sample ID: XB31R

LIMS ID: 13-17079

Matrix: Water

Date Analyzed: 08/19/13 19:15

QC Report No: XB31-AECOM

Project: GE

60237964-200.2

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	---	
74-88-4	Iodomethane	1.0	---	
74-96-4	Bromoethane	0.20	---	
107-13-1	Acrylonitrile	1.0	---	
563-58-6	1,1-Dichloropropene	0.20	---	
74-95-3	Dibromomethane	0.20	---	
630-20-6	1,1,1,2-Tetrachloroethane	0.20	---	
96-12-8	1,2-Dibromo-3-chloropropane	0.50	---	
96-18-4	1,2,3-Trichloropropane	0.50	---	
110-57-6	trans-1,4-Dichloro-2-butene	1.0	---	
108-67-8	1,3,5-Trimethylbenzene	0.20	---	
95-63-6	1,2,4-Trimethylbenzene	0.20	---	
87-68-3	Hexachlorobutadiene	0.50	---	
106-93-4	1,2-Dibromoethane	0.20	---	
74-97-5	Bromochloromethane	0.20	---	
594-20-7	2,2-Dichloropropane	0.20	---	
142-28-9	1,3-Dichloropropane	0.20	---	
98-82-8	Isopropylbenzene	0.20	---	
103-65-1	n-Propylbenzene	0.20	---	
108-86-1	Bromobenzene	0.20	---	
95-49-8	2-Chlorotoluene	0.20	---	
106-43-4	4-Chlorotoluene	0.20	---	
98-06-6	tert-Butylbenzene	0.20	---	
135-98-8	sec-Butylbenzene	0.20	---	
99-87-6	4-Isopropyltoluene	0.20	---	
104-51-8	n-Butylbenzene	0.20	---	
120-82-1	1,2,4-Trichlorobenzene	0.50	---	
91-20-3	Naphthalene	0.50	---	
87-61-6	1,2,3-Trichlorobenzene	0.50	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	111%
d8-Toluene	96.3%
Bromofluorobenzene	107%
d4-1,2-Dichlorobenzene	103%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-16D-0813

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MATRIX SPIKE DUP

Lab Sample ID: XB31R

QC Report No: XB31-AECOM

LIMS ID: 13-17079

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *mw*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 19:41

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	---	
74-83-9	Bromomethane	1.0	---	
75-01-4	Vinyl Chloride	0.20	---	
75-00-3	Chloroethane	0.20	---	
75-09-2	Methylene Chloride	1.0	---	
67-64-1	Acetone	5.0	---	
75-15-0	Carbon Disulfide	0.20	---	
75-35-4	1,1-Dichloroethene	0.20	---	
75-34-3	1,1-Dichloroethane	0.20	---	
156-60-5	trans-1,2-Dichloroethene	0.20	---	
156-59-2	cis-1,2-Dichloroethene	0.20	---	
67-66-3	Chloroform	0.20	---	
107-06-2	1,2-Dichloroethane	0.20	---	
78-93-3	2-Butanone	5.0	---	
71-55-6	1,1,1-Trichloroethane	0.20	---	
56-23-5	Carbon Tetrachloride	0.20	---	
108-05-4	Vinyl Acetate	0.20	---	
75-27-4	Bromodichloromethane	0.20	---	
78-87-5	1,2-Dichloropropane	0.20	---	
10061-01-5	cis-1,3-Dichloropropene	0.20	---	
79-01-6	Trichloroethene	0.20	---	
124-48-1	Dibromochloromethane	0.20	---	
79-00-5	1,1,2-Trichloroethane	0.20	---	
71-43-2	Benzene	0.20	---	
10061-02-6	trans-1,3-Dichloropropene	0.20	---	
110-75-8	2-Chloroethylvinylether	1.0	---	
75-25-2	Bromoform	0.20	---	
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	---	
591-78-6	2-Hexanone	5.0	---	
127-18-4	Tetrachloroethene	0.20	---	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	---	
108-88-3	Toluene	0.20	---	
108-90-7	Chlorobenzene	0.20	---	
100-41-4	Ethylbenzene	0.20	---	
100-42-5	Styrene	0.20	---	
75-69-4	Trichlorofluoromethane	0.20	---	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	---	
179601-23-1	m,p-Xylene	0.40	---	
95-47-6	o-Xylene	0.20	---	
95-50-1	1,2-Dichlorobenzene	0.20	---	
541-73-1	1,3-Dichlorobenzene	0.20	---	
106-46-7	1,4-Dichlorobenzene	0.20	---	

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Page 2 of 2

Sample ID: MW-16D-0813

MATRIX SPIKE DUP

Lab Sample ID: XB31R

QC Report No: XB31-AECOM

LIMS ID: 13-17079

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 19:41

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	---	
74-88-4	Iodomethane	1.0	---	
74-96-4	Bromoethane	0.20	---	
107-13-1	Acrylonitrile	1.0	---	
563-58-6	1,1-Dichloropropene	0.20	---	
74-95-3	Dibromomethane	0.20	---	
630-20-6	1,1,1,2-Tetrachloroethane	0.20	---	
96-12-8	1,2-Dibromo-3-chloropropane	0.50	---	
96-18-4	1,2,3-Trichloropropane	0.50	---	
110-57-6	trans-1,4-Dichloro-2-butene	1.0	---	
108-67-8	1,3,5-Trimethylbenzene	0.20	---	
95-63-6	1,2,4-Trimethylbenzene	0.20	---	
87-68-3	Hexachlorobutadiene	0.50	---	
106-93-4	1,2-Dibromoethane	0.20	---	
74-97-5	Bromochloromethane	0.20	---	
594-20-7	2,2-Dichloropropane	0.20	---	
142-28-9	1,3-Dichloropropane	0.20	---	
98-82-8	Isopropylbenzene	0.20	---	
103-65-1	n-Propylbenzene	0.20	---	
108-86-1	Bromobenzene	0.20	---	
95-49-8	2-Chlorotoluene	0.20	---	
106-43-4	4-Chlorotoluene	0.20	---	
98-06-6	tert-Butylbenzene	0.20	---	
135-98-8	sec-Butylbenzene	0.20	---	
99-87-6	4-Isopropyltoluene	0.20	---	
104-51-8	n-Butylbenzene	0.20	---	
120-82-1	1,2,4-Trichlorobenzene	0.50	---	
91-20-3	Naphthalene	0.50	---	
87-61-6	1,2,3-Trichlorobenzene	0.50	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	106%
d8-Toluene	96.4%
Bromofluorobenzene	105%
d4-1,2-Dichlorobenzene	103%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-17M-0813

Page 1 of 2

SAMPLE

Lab Sample ID: XB31S

QC Report No: XB31-AECOM

LIMS ID: 13-17080

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MMW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 15:44

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	0.35	
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	0.20	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-17M-0813

Page 2 of 2

SAMPLE

Lab Sample ID: XB31S

QC Report No: XB31-AECOM

LIMS ID: 13-17080

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 15:44

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	104%
d8-Toluene	95.5%
Bromofluorobenzene	98.3%
d4-1,2-Dichlorobenzene	107%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-17D-0813

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SAMPLE

Lab Sample ID: XB31T

QC Report No: XB31-AECOM

LIMS ID: 13-17081

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/PAB

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 16:10

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-17D-0813

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SAMPLE

Lab Sample ID: XB31T

QC Report No: XB31-AECOM

LIMS ID: 13-17081

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 16:10

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	94.6%
Bromofluorobenzene	103%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-081613A

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LAB CONTROL SAMPLE

Lab Sample ID: LCS-081613A

QC Report No: XB31-AECOM

LIMS ID: 13-17062

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MM*

Date Sampled: NA

Reported: 08/21/13

Date Received: NA

Instrument/Analyst LCS: NT2/PAB

Sample Amount LCS: 10.0 mL

LCSID: NT2/PAB

LCSID: 10.0 mL

Date Analyzed LCS: 08/16/13 08:39

Purge Volume LCS: 10.0 mL

LCSID: 08/16/13 09:06

LCSID: 10.0 mL

Analyte	LCS	Spike	LCS	LCSID	Spike	LCSID	RPD
		Added-LCS	Recovery		Added-LCSID	Recovery	
Chloromethane	9.99	10.0	99.9%	9.90	10.0	99.0%	0.9%
Bromomethane	9.81	10.0	98.1%	9.56	10.0	95.6%	2.6%
Vinyl Chloride	9.84	10.0	98.4%	9.65	10.0	96.5%	1.9%
Chloroethane	11.4	10.0	114%	10.4	10.0	104%	9.2%
Methylene Chloride	9.63	10.0	96.3%	9.56	10.0	95.6%	0.7%
Acetone	47.6	50.0	95.2%	50.1	50.0	100%	5.1%
Carbon Disulfide	10.1	10.0	101%	9.86	10.0	98.6%	2.4%
1,1-Dichloroethene	10.4	10.0	104%	10.3	10.0	103%	1.0%
1,1-Dichloroethane	10.2	10.0	102%	9.92	10.0	99.2%	2.8%
trans-1,2-Dichloroethene	9.80	10.0	98.0%	9.58	10.0	95.8%	2.3%
cis-1,2-Dichloroethene	9.46	10.0	94.6%	9.51	10.0	95.1%	0.5%
Chloroform	10.1	10.0	101%	9.97	10.0	99.7%	1.3%
1,2-Dichloroethane	10.2	10.0	102%	10.4	10.0	104%	1.9%
2-Butanone	49.0	50.0	98.0%	51.1	50.0	102%	4.2%
1,1,1-Trichloroethane	9.95	10.0	99.5%	9.93	10.0	99.3%	0.2%
Carbon Tetrachloride	10.4	10.0	104%	10.6	10.0	106%	1.9%
Vinyl Acetate	9.69	10.0	96.9%	9.72	10.0	97.2%	0.3%
Bromodichloromethane	10.1	10.0	101%	10.4	10.0	104%	2.9%
1,2-Dichloropropane	9.96	10.0	99.6%	10.1	10.0	101%	1.4%
cis-1,3-Dichloropropene	9.95	10.0	99.5%	10.3	10.0	103%	3.5%
Trichloroethene	10.2	10.0	102%	10.4	10.0	104%	1.9%
Dibromochloromethane	10.3	10.0	103%	10.2	10.0	102%	1.0%
1,1,2-Trichloroethane	9.77	10.0	97.7%	10.2	10.0	102%	4.3%
Benzene	10.0	10.0	100%	10.1	10.0	101%	1.0%
trans-1,3-Dichloropropene	9.69	10.0	96.9%	10.2	10.0	102%	5.1%
2-Chloroethylvinylether	9.60	10.0	96.0%	10.1	10.0	101%	5.1%
Bromoform	7.55 Q	10.0	75.5%	7.21 Q	10.0	72.1%	4.6%
4-Methyl-2-Pentanone (MIBK)	52.3	50.0	105%	55.4	50.0	111%	5.8%
2-Hexanone	49.5	50.0	99.0%	51.6	50.0	103%	4.2%
Tetrachloroethene	10.6	10.0	106%	10.4	10.0	104%	1.9%
1,1,2,2-Tetrachloroethane	10.0	10.0	100%	9.74	10.0	97.4%	2.6%
Toluene	9.77	10.0	97.7%	10.1	10.0	101%	3.3%
Chlorobenzene	9.86	10.0	98.6%	9.86	10.0	98.6%	0.0%
Ethylbenzene	10.2	10.0	102%	10.3	10.0	103%	1.0%
Styrene	10.5	10.0	105%	10.8	10.0	108%	2.8%
Trichlorofluoromethane	10.6	10.0	106%	10.2	10.0	102%	3.8%
1,1,2-Trichloro-1,2,2-trifluoroethane	10.1	10.0	101%	10.1	10.0	101%	0.0%
m,p-Xylene	20.9	20.0	104%	20.8	20.0	104%	0.5%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-081613A

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LAB CONTROL SAMPLE

Lab Sample ID: LCS-081613A

QC Report No: XB31-AECOM

LIMS ID: 13-17062

Project: GE

Matrix: Water

60237964-200.2

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCS	LCS	Spike Added-LCS	LCS	RPD
o-Xylene	10.3	10.0	103%	10.2	10.0	102%	1.0%	
1,2-Dichlorobenzene	9.61	10.0	96.1%	9.86	10.0	98.6%	2.6%	
1,3-Dichlorobenzene	9.74	10.0	97.4%	9.65	10.0	96.5%	0.9%	
1,4-Dichlorobenzene	9.42	10.0	94.2%	9.53	10.0	95.3%	1.2%	
Acrolein	42.4	50.0	84.8%	42.1	50.0	84.2%	0.7%	
Iodomethane	9.86	10.0	98.6%	9.74	10.0	97.4%	1.2%	
Bromoethane	10.2	10.0	102%	10.1	10.0	101%	1.0%	
Acrylonitrile	10.0	10.0	100%	10.2	10.0	102%	2.0%	
1,1-Dichloropropene	10.2	10.0	102%	10.4	10.0	104%	1.9%	
Dibromomethane	10.2	10.0	102%	10.2	10.0	102%	0.0%	
1,1,1,2-Tetrachloroethane	10.9	10.0	109%	10.7	10.0	107%	1.9%	
1,2-Dibromo-3-chloropropane	10.4	10.0	104%	10.8	10.0	108%	3.8%	
1,2,3-Trichloropropane	10.3	10.0	103%	9.37	10.0	93.7%	9.5%	
trans-1,4-Dichloro-2-butene	8.17	10.0	81.7%	8.20	10.0	82.0%	0.4%	
1,3,5-Trimethylbenzene	10.4	10.0	104%	10.2	10.0	102%	1.9%	
1,2,4-Trimethylbenzene	10.4	10.0	104%	10.1	10.0	101%	2.9%	
Hexachlorobutadiene	9.38	10.0	93.8%	11.2	10.0	112%	17.7%	
1,2-Dibromoethane	9.76	10.0	97.6%	10.2	10.0	102%	4.4%	
Bromochloromethane	10.2	10.0	102%	10.2	10.0	102%	0.0%	
2,2-Dichloropropane	10.0	10.0	100%	9.78	10.0	97.8%	2.2%	
1,3-Dichloropropane	9.92	10.0	99.2%	9.90	10.0	99.0%	0.2%	
Isopropylbenzene	10.3	10.0	103%	9.76	10.0	97.6%	5.4%	
n-Propylbenzene	10.2	10.0	102%	9.81	10.0	98.1%	3.9%	
Bromobenzene	9.89	10.0	98.9%	9.46	10.0	94.6%	4.4%	
2-Chlorotoluene	9.95	10.0	99.5%	9.63	10.0	96.3%	3.3%	
4-Chlorotoluene	9.94	10.0	99.4%	9.62	10.0	96.2%	3.3%	
tert-Butylbenzene	9.99	10.0	99.9%	9.81	10.0	98.1%	1.8%	
sec-Butylbenzene	10.1	10.0	101%	9.94	10.0	99.4%	1.6%	
4-Isopropyltoluene	9.97	10.0	99.7%	10.2	10.0	102%	2.3%	
n-Butylbenzene	9.68	10.0	96.8%	9.96	10.0	99.6%	2.9%	
1,2,4-Trichlorobenzene	10.2	10.0	102%	11.1	10.0	111%	8.5%	
Naphthalene	12.0	10.0	120%	12.5	10.0	125%	4.1%	
1,2,3-Trichlorobenzene	12.4	10.0	124%	13.2	10.0	132%	6.2%	

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCS	LCS
d4-1,2-Dichloroethane	98.7%	98.3%	
d8-Toluene	99.0%	102%	
Bromofluorobenzene	101%	102%	
d4-1,2-Dichlorobenzene	99.0%	102%	

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-081913A

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LAB CONTROL SAMPLE

Lab Sample ID: LCS-081913A

QC Report No: XB31-AECOM

LIMS ID: 13-17070

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *TRW*

Date Sampled: NA

Reported: 08/21/13

Date Received: NA

Instrument/Analyst LCS: NT2/PAB

Sample Amount LCS: 10.0 mL

LCSD: NT2/PAB

LCSD: 10.0 mL

Date Analyzed LCS: 08/19/13 09:50

Purge Volume LCS: 10.0 mL

LCSD: 08/19/13 10:17

LCSD: 10.0 mL

Analyte	LCS	Spike		LCS		Spike		RPD
		Added-LCS	Recovery	LCSD	Added-LCSD	Recovery		
Chloromethane	8.83	10.0	88.3%	9.33	10.0	93.3%	5.5%	
Bromomethane	8.42	10.0	84.2%	8.87	10.0	88.7%	5.2%	
Vinyl Chloride	8.44	10.0	84.4%	8.89	10.0	88.9%	5.2%	
Chloroethane	9.68	10.0	96.8%	10.9	10.0	109%	11.9%	
Methylene Chloride	8.14	10.0	81.4%	8.89	10.0	88.9%	8.8%	
Acetone	43.5	50.0	87.0%	45.1	50.0	90.2%	3.6%	
Carbon Disulfide	8.72	10.0	87.2%	9.27	10.0	92.7%	6.1%	
1,1-Dichloroethene	8.88	10.0	88.8%	9.59	10.0	95.9%	7.7%	
1,1-Dichloroethane	8.72	10.0	87.2%	9.60	10.0	96.0%	9.6%	
trans-1,2-Dichloroethene	8.21	10.0	82.1%	8.97	10.0	89.7%	8.8%	
cis-1,2-Dichloroethene	8.02	10.0	80.2%	8.92	10.0	89.2%	10.6%	
Chloroform	8.70	10.0	87.0%	9.42	10.0	94.2%	7.9%	
1,2-Dichloroethane	8.79	10.0	87.9%	9.45	10.0	94.5%	7.2%	
2-Butanone	40.5	50.0	81.0%	44.3	50.0	88.6%	9.0%	
1,1,1-Trichloroethane	8.65	10.0	86.5%	9.28	10.0	92.8%	7.0%	
Carbon Tetrachloride	10.5 Q	10.0	105%	11.0 Q	10.0	110%	4.7%	
Vinyl Acetate	8.22	10.0	82.2%	8.93	10.0	89.3%	8.3%	
Bromodichloromethane	9.52	10.0	95.2%	9.94	10.0	99.4%	4.3%	
1,2-Dichloropropane	8.52	10.0	85.2%	9.10	10.0	91.0%	6.6%	
cis-1,3-Dichloropropene	8.92	10.0	89.2%	9.49	10.0	94.9%	6.2%	
Trichloroethene	8.81	10.0	88.1%	9.45	10.0	94.5%	7.0%	
Dibromochloromethane	9.96	10.0	99.6%	10.8	10.0	108%	8.1%	
1,1,2-Trichloroethane	7.93	10.0	79.3%	8.42	10.0	84.2%	6.0%	
Benzene	8.70	10.0	87.0%	9.26	10.0	92.6%	6.2%	
trans-1,3-Dichloropropene	9.03	10.0	90.3%	9.42	10.0	94.2%	4.2%	
2-Chloroethylvinylether	7.62	10.0	76.2%	8.34	10.0	83.4%	9.0%	
Bromoform	7.56	10.0	75.6%	8.05	10.0	80.5%	6.3%	
4-Methyl-2-Pentanone (MIBK)	43.5	50.0	87.0%	46.2	50.0	92.4%	6.0%	
2-Hexanone	41.4	50.0	82.8%	44.9	50.0	89.8%	8.1%	
Tetrachloroethene	9.05	10.0	90.5%	9.92	10.0	99.2%	9.2%	
1,1,2,2-Tetrachloroethane	8.31	10.0	83.1%	8.93	10.0	89.3%	7.2%	
Toluene	8.34	10.0	83.4%	8.69	10.0	86.9%	4.1%	
Chlorobenzene	8.57	10.0	85.7%	9.15	10.0	91.5%	6.5%	
Ethylbenzene	8.89	10.0	88.9%	9.58	10.0	95.8%	7.5%	
Styrene	9.13	10.0	91.3%	9.62	10.0	96.2%	5.2%	
Trichlorofluoromethane	9.61	10.0	96.1%	9.70	10.0	97.0%	0.9%	
1,1,2-Trichloro-1,2,2-trifluoroethane	8.94	10.0	89.4%	9.18	10.0	91.8%	2.6%	
m,p-Xylene	18.3	20.0	91.5%	19.5	20.0	97.5%	6.3%	

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-081913A

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LAB CONTROL SAMPLE

Lab Sample ID: LCS-081913A

QC Report No: XB31-AECOM

LIMS ID: 13-17070

Project: GE

Matrix: Water

60237964-200.2

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
o-Xylene	9.12	10.0	91.2%	9.54	10.0	95.4%	4.5%
1,2-Dichlorobenzene	8.59	10.0	85.9%	9.04	10.0	90.4%	5.1%
1,3-Dichlorobenzene	8.64	10.0	86.4%	8.99	10.0	89.9%	4.0%
1,4-Dichlorobenzene	8.49	10.0	84.9%	8.81	10.0	88.1%	3.7%
Acrolein	26.7 Q	50.0	53.4%	29.5 Q	50.0	59.0%	10.0%
Iodomethane	8.28	10.0	82.8%	8.96	10.0	89.6%	7.9%
Bromoethane	8.77	10.0	87.7%	9.22	10.0	92.2%	5.0%
Acrylonitrile	8.31	10.0	83.1%	9.20	10.0	92.0%	10.2%
1,1-Dichloropropene	8.83	10.0	88.3%	9.66	10.0	96.6%	9.0%
Dibromomethane	8.92	10.0	89.2%	9.37	10.0	93.7%	4.9%
1,1,1,2-Tetrachloroethane	10.6	10.0	106%	11.1	10.0	111%	4.6%
1,2-Dibromo-3-chloropropane	9.86	10.0	98.6%	10.6	10.0	106%	7.2%
1,2,3-Trichloropropane	8.14	10.0	81.4%	8.69	10.0	86.9%	6.5%
trans-1,4-Dichloro-2-butene	9.25	10.0	92.5%	9.46	10.0	94.6%	2.2%
1,3,5-Trimethylbenzene	8.70	10.0	87.0%	9.28	10.0	92.8%	6.5%
1,2,4-Trimethylbenzene	8.78	10.0	87.8%	9.32	10.0	93.2%	6.0%
Hexachlorobutadiene	9.92	10.0	99.2%	9.39	10.0	93.9%	5.5%
1,2-Dibromoethane	8.24	10.0	82.4%	8.69	10.0	86.9%	5.3%
Bromochloromethane	9.05	10.0	90.5%	9.60	10.0	96.0%	5.9%
2,2-Dichloropropane	8.83	10.0	88.3%	9.48	10.0	94.8%	7.1%
1,3-Dichloropropane	8.47	10.0	84.7%	9.01	10.0	90.1%	6.2%
Isopropylbenzene	8.35	10.0	83.5%	9.19	10.0	91.9%	9.6%
n-Propylbenzene	8.36	10.0	83.6%	9.08	10.0	90.8%	8.3%
Bromobenzene	8.09	10.0	80.9%	8.70	10.0	87.0%	7.3%
2-Chlorotoluene	8.25	10.0	82.5%	8.93	10.0	89.3%	7.9%
4-Chlorotoluene	8.32	10.0	83.2%	8.91	10.0	89.1%	6.8%
tert-Butylbenzene	8.39	10.0	83.9%	9.00	10.0	90.0%	7.0%
sec-Butylbenzene	8.61	10.0	86.1%	9.04	10.0	90.4%	4.9%
4-Isopropyltoluene	8.78	10.0	87.8%	9.17	10.0	91.7%	4.3%
n-Butylbenzene	8.61	10.0	86.1%	8.56	10.0	85.6%	0.6%
1,2,4-Trichlorobenzene	10.2	10.0	102%	10.9	10.0	109%	6.6%
Naphthalene	11.4	10.0	114%	12.2	10.0	122%	6.8%
1,2,3-Trichlorobenzene	12.7 Q	10.0	127%	13.9 Q	10.0	139%	9.0%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	104%	101%
d8-Toluene	98.1%	97.2%
Bromofluorobenzene	105%	103%
d4-1,2-Dichlorobenzene	104%	102%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-082013A

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LAB CONTROL SAMPLE

Lab Sample ID: LCS-082013A

QC Report No: XB31-AECOM

LIMS ID: 13-17075

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *mw*

Date Sampled: NA

Reported: 08/21/13

Date Received: NA

Instrument/Analyst LCS: NT2/PAB

Sample Amount LCS: 10.0 mL

LCSD: NT2/PAB

LCSD: 10.0 mL

Date Analyzed LCS: 08/20/13 10:28

Purge Volume LCS: 10.0 mL

LCSD: 08/20/13 11:27

LCSD: 10.0 mL

Analyte	LCS	Spike		LCS	LCSD	Spike		RPD
		Added-LCS	Recovery			Added-LCSD	Recovery	
Chloromethane	9.86	10.0	98.6%	9.89	10.0	98.9%	0.3%	
Bromomethane	9.19	10.0	91.9%	9.50	10.0	95.0%	3.3%	
Vinyl Chloride	9.23	10.0	92.3%	9.32	10.0	93.2%	1.0%	
Chloroethane	11.3 Q	10.0	113%	11.6 Q	10.0	116%	2.6%	
Methylene Chloride	9.37	10.0	93.7%	9.51	10.0	95.1%	1.5%	
Acetone	46.6	50.0	93.2%	50.2	50.0	100%	7.4%	
Carbon Disulfide	9.65	10.0	96.5%	10.1	10.0	101%	4.6%	
1,1-Dichloroethene	10.2	10.0	102%	10.7	10.0	107%	4.8%	
1,1-Dichloroethane	9.89	10.0	98.9%	10.2	10.0	102%	3.1%	
trans-1,2-Dichloroethene	9.12	10.0	91.2%	9.74	10.0	97.4%	6.6%	
cis-1,2-Dichloroethene	9.02	10.0	90.2%	9.29	10.0	92.9%	2.9%	
Chloroform	9.89	10.0	98.9%	10.1	10.0	101%	2.1%	
1,2-Dichloroethane	10.2	10.0	102%	10.4	10.0	104%	1.9%	
2-Butanone	44.2	50.0	88.4%	45.6	50.0	91.2%	3.1%	
1,1,1-Trichloroethane	9.93	10.0	99.3%	9.93	10.0	99.3%	0.0%	
Carbon Tetrachloride	12.1 Q	10.0	121%	12.0 Q	10.0	120%	0.8%	
Vinyl Acetate	9.20	10.0	92.0%	9.43	10.0	94.3%	2.5%	
Bromodichloromethane	10.6	10.0	106%	10.5	10.0	105%	0.9%	
1,2-Dichloropropane	9.64	10.0	96.4%	9.64	10.0	96.4%	0.0%	
cis-1,3-Dichloropropene	9.73	10.0	97.3%	9.69	10.0	96.9%	0.4%	
Trichloroethene	10.1	10.0	101%	10.2	10.0	102%	1.0%	
Dibromochloromethane	11.0	10.0	110%	11.1	10.0	111%	0.9%	
1,1,2-Trichloroethane	8.80	10.0	88.0%	8.66	10.0	86.6%	1.6%	
Benzene	9.86	10.0	98.6%	9.94	10.0	99.4%	0.8%	
trans-1,3-Dichloropropene	9.51	10.0	95.1%	9.13	10.0	91.3%	4.1%	
2-Chloroethylvinylether	7.65 Q	10.0	76.5%	7.25 Q	10.0	72.5%	5.4%	
Bromoform	8.04	10.0	80.4%	7.65	10.0	76.5%	5.0%	
4-Methyl-2-Pentanone (MIBK)	46.8	50.0	93.6%	46.7	50.0	93.4%	0.2%	
2-Hexanone	44.5	50.0	89.0%	44.4	50.0	88.8%	0.2%	
Tetrachloroethene	10.6	10.0	106%	10.7	10.0	107%	0.9%	
1,1,2,2-Tetrachloroethane	8.95	10.0	89.5%	8.75	10.0	87.5%	2.3%	
Toluene	9.05	10.0	90.5%	9.13	10.0	91.3%	0.9%	
Chlorobenzene	9.44	10.0	94.4%	9.59	10.0	95.9%	1.6%	
Ethylbenzene	9.85	10.0	98.5%	10.1	10.0	101%	2.5%	
Styrene	10.2	10.0	102%	10.4	10.0	104%	1.9%	
Trichlorofluoromethane	10.2	10.0	102%	10.5	10.0	105%	2.9%	
1,1,2-Trichloro-1,2,2-trifluoroethane	9.71	10.0	97.1%	9.85	10.0	98.5%	1.4%	
m,p-Xylene	20.4	20.0	102%	20.5	20.0	102%	0.5%	

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-082013A

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LAB CONTROL SAMPLE

Lab Sample ID: LCS-082013A

QC Report No: XB31-AECOM

LIMS ID: 13-17075

Project: GE

Matrix: Water

60237964-200.2

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
o-Xylene	10.1	10.0	101%	10.3	10.0	103%	2.0%
1,2-Dichlorobenzene	9.87	10.0	98.7%	9.74	10.0	97.4%	1.3%
1,3-Dichlorobenzene	9.56	10.0	95.6%	9.59	10.0	95.9%	0.3%
1,4-Dichlorobenzene	9.50	10.0	95.0%	9.51	10.0	95.1%	0.1%
Acrolein	34.1 Q	50.0	68.2%	36.1 Q	50.0	72.2%	5.7%
Iodomethane	9.34	10.0	93.4%	9.63	10.0	96.3%	3.1%
Bromoethane	9.73	10.0	97.3%	10.0	10.0	100%	2.7%
Acrylonitrile	9.16	10.0	91.6%	9.06	10.0	90.6%	1.1%
1,1-Dichloropropene	10.1	10.0	101%	10.3	10.0	103%	2.0%
Dibromomethane	9.43	10.0	94.3%	9.72	10.0	97.2%	3.0%
1,1,1,2-Tetrachloroethane	12.0 Q	10.0	120%	12.1 Q	10.0	121%	0.8%
1,2-Dibromo-3-chloropropane	10.9	10.0	109%	10.8	10.0	108%	0.9%
1,2,3-Trichloropropane	8.98	10.0	89.8%	8.67	10.0	86.7%	3.5%
trans-1,4-Dichloro-2-butene	10.1	10.0	101%	10.2	10.0	102%	1.0%
1,3,5-Trimethylbenzene	9.70	10.0	97.0%	9.77	10.0	97.7%	0.7%
1,2,4-Trimethylbenzene	10.0	10.0	100%	9.87	10.0	98.7%	1.3%
Hexachlorobutadiene	10.8	10.0	108%	11.2	10.0	112%	3.6%
1,2-Dibromoethane	8.54	10.0	85.4%	8.29	10.0	82.9%	3.0%
Bromochloromethane	9.73	10.0	97.3%	10.1	10.0	101%	3.7%
2,2-Dichloropropane	9.79	10.0	97.9%	10.3	10.0	103%	5.1%
1,3-Dichloropropane	8.89	10.0	88.9%	8.98	10.0	89.8%	1.0%
Isopropylbenzene	9.29	10.0	92.9%	9.32	10.0	93.2%	0.3%
n-Propylbenzene	9.30	10.0	93.0%	9.32	10.0	93.2%	0.2%
Bromobenzene	8.89	10.0	88.9%	8.87	10.0	88.7%	0.2%
2-Chlorotoluene	9.21	10.0	92.1%	9.11	10.0	91.1%	1.1%
4-Chlorotoluene	9.18	10.0	91.8%	9.30	10.0	93.0%	1.3%
tert-Butylbenzene	9.45	10.0	94.5%	9.40	10.0	94.0%	0.5%
sec-Butylbenzene	9.60	10.0	96.0%	9.52	10.0	95.2%	0.8%
4-Isopropyltoluene	9.87	10.0	98.7%	9.82	10.0	98.2%	0.5%
n-Butylbenzene	9.76	10.0	97.6%	9.89	10.0	98.9%	1.3%
1,2,4-Trichlorobenzene	11.1	10.0	111%	11.2	10.0	112%	0.9%
Naphthalene	11.7	10.0	117%	11.4	10.0	114%	2.6%
1,2,3-Trichlorobenzene	13.1 Q	10.0	131%	13.0 Q	10.0	130%	0.8%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	108%	106%
d8-Toluene	96.5%	97.1%
Bromofluorobenzene	106%	106%
d4-1,2-Dichlorobenzene	103%	104%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-16D-0813

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MATRIX SPIKE

Lab Sample ID: XB31R

QC Report No: XB31-AECOM

LIMS ID: 13-17079

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *MW*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst MS: NT2/PAB

Sample Amount MS: 10.0 mL

MSD: NT2/PAB

MSD: 10.0 mL

Date Analyzed MS: 08/19/13 19:15

Purge Volume MS: 10.0 mL

MSD: 08/19/13 19:41

MSD: 10.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Chloromethane	< 0.50 U	10.4	10.0	104%	10.2	10.0	102%	1.9%
Bromomethane	< 1.0 U	9.64	10.0	96.4%	9.22	10.0	92.2%	4.5%
Vinyl Chloride	< 0.20 U	9.83	10.0	98.3%	9.57	10.0	95.7%	2.7%
Chloroethane	< 0.20 U	12.6	10.0	126%	12.1	10.0	121%	4.0%
Methylene Chloride	< 1.0 U	9.91	10.0	99.1%	9.43	10.0	94.3%	5.0%
Acetone	< 5.0 U	49.7	50.0	99.4%	50.5	50.0	101%	1.6%
Carbon Disulfide	< 0.20 U	10.1	10.0	101%	9.90	10.0	99.0%	2.0%
1,1-Dichloroethene	< 0.20 U	10.6	10.0	106%	10.0	10.0	100%	5.8%
1,1-Dichloroethane	< 0.20 U	10.0	10.0	100%	9.80	10.0	98.0%	2.0%
trans-1,2-Dichloroethene	< 0.20 U	9.49	10.0	94.9%	9.30	10.0	93.0%	2.0%
cis-1,2-Dichloroethene	< 0.20 U	9.22	10.0	92.2%	9.13	10.0	91.3%	1.0%
Chloroform	< 0.20 U	10.1	10.0	101%	9.98	10.0	99.8%	1.2%
1,2-Dichloroethane	< 0.20 U	10.1	10.0	101%	9.87	10.0	98.7%	2.3%
2-Butanone	< 5.0 U	44.5	50.0	89.0%	43.4	50.0	86.8%	2.5%
1,1,1-Trichloroethane	< 0.20 U	10.1	10.0	101%	9.86	10.0	98.6%	2.4%
Carbon Tetrachloride	< 0.20 U	10.8 Q	10.0	108%	10.8 Q	10.0	108%	0.0%
Vinyl Acetate	< 0.20 U	6.49	10.0	64.9%	7.00	10.0	70.0%	7.6%
Bromodichloromethane	< 0.20 U	9.89	10.0	98.9%	9.77	10.0	97.7%	1.2%
1,2-Dichloropropane	< 0.20 U	9.41	10.0	94.1%	9.28	10.0	92.8%	1.4%
cis-1,3-Dichloropropene	< 0.20 U	8.45	10.0	84.5%	8.26	10.0	82.6%	2.3%
Trichloroethene	< 0.20 U	9.81	10.0	98.1%	9.66	10.0	96.6%	1.5%
Dibromochloromethane	< 0.20 U	9.86	10.0	98.6%	9.69	10.0	96.9%	1.7%
1,1,2-Trichloroethane	< 0.20 U	8.35	10.0	83.5%	8.37	10.0	83.7%	0.2%
Benzene	< 0.20 U	9.73	10.0	97.3%	9.60	10.0	96.0%	1.3%
trans-1,3-Dichloropropene	< 0.20 U	8.18	10.0	81.8%	8.06	10.0	80.6%	1.5%
2-Chloroethylvinylether	< 1.0 U	6.59	10.0	65.9%	6.85	10.0	68.5%	3.9%
Bromoform	< 0.20 U	6.31	10.0	63.1%	6.39	10.0	63.9%	1.3%
4-Methyl-2-Pentanone (MIBK)	< 5.0 U	47.0	50.0	94.0%	46.3	50.0	92.6%	1.5%
2-Hexanone	< 5.0 U	43.8	50.0	87.6%	42.9	50.0	85.8%	2.1%
Tetrachloroethene	< 0.20 U	10.6	10.0	106%	9.95	10.0	99.5%	6.3%
1,1,2,2-Tetrachloroethane	< 0.20 U	8.45	10.0	84.5%	8.63	10.0	86.3%	2.1%
Toluene	< 0.20 U	8.99	10.0	89.9%	8.81	10.0	88.1%	2.0%
Chlorobenzene	< 0.20 U	9.54	10.0	95.4%	9.25	10.0	92.5%	3.1%
Ethylbenzene	< 0.20 U	10.1	10.0	101%	9.60	10.0	96.0%	5.1%
Styrene	< 0.20 U	10.2	10.0	102%	9.89	10.0	98.9%	3.1%
Trichlorofluoromethane	< 0.20 U	10.6	10.0	106%	9.94	10.0	99.4%	6.4%
1,1,2-Trichloro-1,2,2-trifl	< 0.20 U	9.48	10.0	94.8%	8.96	10.0	89.6%	5.6%
m,p-Xylene	< 0.40 U	20.6	20.0	103%	20.1	20.0	100%	2.5%
o-Xylene	< 0.20 U	10.4	10.0	104%	10.0	10.0	100%	3.9%
1,2-Dichlorobenzene	< 0.20 U	9.40	10.0	94.0%	9.45	10.0	94.5%	0.5%
1,3-Dichlorobenzene	< 0.20 U	9.12	10.0	91.2%	9.10	10.0	91.0%	0.2%
1,4-Dichlorobenzene	< 0.20 U	9.10	10.0	91.0%	9.12	10.0	91.2%	0.2%
Acrolein	< 5.0 U	28.7 Q	50.0	57.4%	31.1 Q	50.0	62.2%	8.0%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Page 2 of 2

Sample ID: MW-16D-0813

MATRIX SPIKE

Lab Sample ID: XB31R

LIMS ID: 13-17079

Matrix: Water

QC Report No: XB31-AECOM

Project: GE

60237964-200.2

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Iodomethane	< 1.0 U	9.75	10.0	97.5%	9.47	10.0	94.7%	2.9%
Bromoethane	< 0.20 U	9.89	10.0	98.9%	9.64	10.0	96.4%	2.6%
Acrylonitrile	< 1.0 U	9.18	10.0	91.8%	9.03	10.0	90.3%	1.6%
1,1-Dichloropropene	< 0.20 U	9.58	10.0	95.8%	9.76	10.0	97.6%	1.9%
Dibromomethane	< 0.20 U	9.51	10.0	95.1%	9.48	10.0	94.8%	0.3%
1,1,1,2-Tetrachloroethane	< 0.20 U	11.5	10.0	115%	10.8	10.0	108%	6.3%
1,2-Dibromo-3-chloropropane	< 0.50 U	9.72	10.0	97.2%	10.1	10.0	101%	3.8%
1,2,3-Trichloropropane	< 0.50 U	8.36	10.0	83.6%	8.73	10.0	87.3%	4.3%
trans-1,4-Dichloro-2-butene	< 1.0 U	7.29	10.0	72.9%	6.80	10.0	68.0%	7.0%
1,3,5-Trimethylbenzene	< 0.20 U	9.29	10.0	92.9%	9.19	10.0	91.9%	1.1%
1,2,4-Trimethylbenzene	< 0.20 U	9.29	10.0	92.9%	9.42	10.0	94.2%	1.4%
Hexachlorobutadiene	< 0.50 U	10.2	10.0	102%	10.3	10.0	103%	1.0%
1,2-Dibromoethane	< 0.20 U	8.10	10.0	81.0%	8.34	10.0	83.4%	2.9%
Bromochloromethane	< 0.20 U	10.0	10.0	100%	10.1	10.0	101%	1.0%
2,2-Dichloropropane	< 0.20 U	8.81	10.0	88.1%	8.46	10.0	84.6%	4.1%
1,3-Dichloropropane	< 0.20 U	8.93	10.0	89.3%	8.73	10.0	87.3%	2.3%
Isopropylbenzene	< 0.20 U	8.89	10.0	88.9%	8.84	10.0	88.4%	0.6%
n-Propylbenzene	< 0.20 U	8.78	10.0	87.8%	8.80	10.0	88.0%	0.2%
Bromobenzene	< 0.20 U	8.33	10.0	83.3%	8.46	10.0	84.6%	1.5%
2-Chlorotoluene	< 0.20 U	8.65	10.0	86.5%	8.74	10.0	87.4%	1.0%
4-Chlorotoluene	< 0.20 U	8.76	10.0	87.6%	8.87	10.0	88.7%	1.2%
tert-Butylbenzene	< 0.20 U	8.75	10.0	87.5%	8.93	10.0	89.3%	2.0%
sec-Butylbenzene	< 0.20 U	8.85	10.0	88.5%	9.21	10.0	92.1%	4.0%
4-Isopropyltoluene	< 0.20 U	9.09	10.0	90.9%	9.30	10.0	93.0%	2.3%
n-Butylbenzene	< 0.20 U	8.93	10.0	89.3%	8.65	10.0	86.5%	3.2%
1,2,4-Trichlorobenzene	< 0.50 U	9.93	10.0	99.3%	10.3	10.0	103%	3.7%
Naphthalene	< 0.50 U	10.3	10.0	103%	10.8	10.0	108%	4.7%
1,2,3-Trichlorobenzene	< 0.50 U	11.8 Q	10.0	118%	11.9 Q	10.0	119%	0.8%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: XB31-AECOM
Project: GE
60237964-200.2

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-081613A	Method Blank	10	106%	96.0%	100%	104%	0
LCS-081613A	Lab Control	10	98.7%	99.0%	101%	99.0%	0
LCSD-081613A	Lab Control Dup	10	98.3%	102%	102%	102%	0
XB31A	MW-1-0813	10	105%	94.5%	98.0%	102%	0
XB31B	MW-3-0813	10	106%	95.2%	98.9%	102%	0
XB31C	MW-4-0813	10	108%	92.7%	101%	102%	0
XB31D	MW-5-0813	10	105%	97.0%	96.5%	102%	0
XB31E	MW-6-0813	10	108%	98.3%	104%	103%	0
XB31F	MW-7-0813	10	108%	96.5%	101%	103%	0
XB31G	MW-8S-0813	10	108%	93.1%	97.1%	98.6%	0
XB31H	MW-8M-0813	10	108%	97.5%	104%	106%	0
MB-081913A	Method Blank	10	101%	95.9%	102%	104%	0
LCS-081913A	Lab Control	10	104%	98.1%	105%	104%	0
LCSD-081913A	Lab Control Dup	10	101%	97.2%	103%	102%	0
XB31I	MW-10-0813	10	102%	93.3%	98.8%	106%	0
XB31J	MW-11-0813	10	104%	93.4%	98.7%	104%	0
XB31K	MW-12-0813	10	108%	92.1%	102%	104%	0
XB31L	MW-13-0813	10	107%	93.6%	102%	103%	0
XB31M	MW-14M-0813	10	103%	91.6%	104%	107%	0
XB31MDL	MW-14M-0813	10	104%	89.0%	101%	102%	0
MB-082013A	Method Blank	10	108%	93.6%	106%	105%	0
LCS-082013A	Lab Control	10	108%	96.5%	106%	103%	0
LCSD-082013A	Lab Control Dup	10	106%	97.1%	106%	104%	0
XB31N	MW-14D-0813	10	108%	91.9%	104%	103%	0
XB31O	MW-15M-0813	10	105%	92.5%	102%	102%	0
XB31P	MW-15D-0813	10	106%	91.9%	102%	102%	0
XB31Q	MW-16M-0813	10	105%	93.0%	104%	102%	0
XB31R	MW-16D-0813	10	106%	93.7%	101%	108%	0
XB31RMS	MW-16D-0813	10	111%	96.3%	107%	103%	0
XB31RMSD	MW-16D-0813	10	106%	96.4%	105%	103%	0
XB31S	MW-17M-0813	10	104%	95.5%	98.3%	107%	0
XB31T	MW-17D-0813	10	108%	94.6%	103%	104%	0

LCS/MB LIMITS

QC LIMITS

SW8260C

(DCE) = d4-1,2-Dichloroethane
(TOL) = d8-Toluene
(BFB) = Bromofluorobenzene
(DCB) = d4-1,2-Dichlorobenzene

(80-120)
(80-120)
(80-120)
(80-120)

(80-130)
(80-120)
(80-120)
(80-120)

Prep Method: SW5030B
Log Number Range: 13-17062 to 13-17081

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 16-AUG-2013 08:13
 Lab File ID: cc0816.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0816 Quant Type: ISTD
 Method: /chem3/nt2.i/20130816.b/82600815L.m

COMPOUND	RRF / AMOUNT		RF10	CCAL		MIN		MAX		CURVE TYPE
	RRF	AMOUNT		RRF10	RRF	%D	%DRIFT	%D	%DRIFT	
1 Dichlorodifluoromethane	0.63705		0.68966	0.68966	0.010	8.25845	20.00000	Averaged		
2 Chloromethane	10.36687		10.00000	0.93402	0.100	3.66872	20.00000	Linear		
3 Vinyl Chloride	0.95795		0.93219	0.93219	0.100	-2.68840	20.00000	Averaged		
4 Bromomethane	0.40593		0.40124	0.40124	0.100	-1.15536	20.00000	Averaged		
5 Chloroethane	11.58112		10.00000	0.48683	0.010	15.81124	20.00000	Linear		
6 Trichlorofluoromethane	0.77376		0.85338	0.85338	0.010	10.28885	20.00000	Averaged		
7 1,1-Dichloroethene	1.22230		1.33092	1.33092	0.100	8.88659	20.00000	Averaged		
8 Carbon Disulfide	2.42751		2.49894	2.49894	0.010	2.94230	20.00000	Averaged		
9 1,1,2-Trichloro-2,2-Trifluoroethane	0.76028		0.78327	0.78327	0.010	3.02270	20.00000	Averaged		
10 Iodomethane	1.12253		1.13218	1.13218	0.010	0.85990	20.00000	Averaged		
11 Bromoethane	0.52117		0.55025	0.55025	0.100	5.57806	20.00000	Averaged		
12 Acrolein	0.12260		0.10879	0.10879	0.000	-11.26357	20.00000	Averaged		
13 Methylene Chloride	0.78068		0.77392	0.77392	0.010	-0.86525	20.00000	Averaged		
14 Acetone	0.21697		0.20534	0.20534	0.001	-5.36390	20.00000	Averaged		
15 Trans-1,2-Dichloroethene	0.76183		0.77352	0.77352	0.010	1.53516	20.00000	Averaged		
17 Methyl tert butyl ether	2.04111		2.04054	2.04054	0.100	-0.02782	20.00000	Averaged		
18 1,1-Dichloroethane	1.33077		1.40476	1.40476	0.200	5.55979	20.00000	Averaged		
19 Acrylonitrile	0.27266		0.27906	0.27906	0.001	2.34876	20.00000	Averaged		
20 Vinyl Acetate	1.07556		1.07132	1.07132	0.010	-0.39408	20.00000	Averaged		
22 Cis-1,2-Dichloroethene	0.80613		0.78327	0.78327	0.010	-2.83651	20.00000	Averaged		
23 2,2-Dichloropropane	0.87912		0.90236	0.90236	0.010	2.64329	20.00000	Averaged		
24 Bromochloromethane	0.33489		0.35116	0.35116	0.050	4.85775	20.00000	Averaged		
25 Chloroform	1.14699		1.18326	1.18326	0.200	3.16165	20.00000	Averaged		
26 Carbon Tetrachloride	0.37067		0.39513	0.39513	0.100	6.59891	20.00000	Averaged		
\$ 27 Dibromofluoromethane	0.59507		0.61773	0.61773	0.100	3.80736	20.00000	Averaged		
28 1,1,1-Trichloroethane	1.04721		1.06101	1.06101	0.100	1.31778	20.00000	Averaged		
29 2-Butanone	0.28900		0.28955	0.28955	0.001	0.19327	20.00000	Averaged		
30 1,1-Dichloropropene	0.48248		0.50072	0.50072	0.010	3.77964	20.00000	Averaged		
31 Benzene	1.42769		1.47442	1.47442	0.500	3.27333	20.00000	Averaged		
\$ 33 d4-1,2-Dichloroethane	0.77933		0.84816	0.84816	0.010	8.83236	20.00000	Averaged		
34 1,2-Dichloroethane	0.52759		0.53718	0.53718	0.100	1.81916	20.00000	Averaged		
36 Trichloroethene	0.35096		0.36797	0.36797	0.100	4.84594	20.00000	Averaged		
38 Dibromomethane	0.21752		0.22395	0.22395	0.010	2.95433	20.00000	Averaged		
39 1,2-Dichloropropane	0.37785		0.38748	0.38748	0.100	2.55051	20.00000	Averaged		
40 Bromodichloromethane	0.40643		0.42672	0.42672	0.100	4.99302	20.00000	Averaged		

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 16-AUG-2013 08:13
 Lab File ID: cc0816.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0816 Quant Type: ISTD
 Method: /chem3/nt2.i/20130816.b/82600815L.m

COMPOUND	___		CCAL		MIN		MAX		CURVE TYPE
	RRF / AMOUNT	RF10	RRF10	RRF	%D / %DRIFT	%D / %DRIFT			
41 2-Chloroethyl Vinyl Ether	0.19901	0.19478	0.19478	0.000	-2.12514	20.00000	Averaged		
42 Cis 1,3-dichloropropene	0.47642	0.49825	0.49825	0.200	4.58280	20.00000	Averaged		
\$ 43 d8-Toluene	1.27187	1.25423	1.25423	0.010	-1.38713	20.00000	Averaged		
44 Toluene	0.87782	0.87867	0.87867	0.400	0.09620	20.00000	Averaged		
45 4-Methyl-2-Pentanone	0.14551	0.15460	0.15460	0.000	6.24273	20.00000	Averaged		
46 Tetrachloroethene	0.31630	0.33300	0.33300	0.200	5.27784	20.00000	Averaged		
47 Trans 1,3-Dichloropropene	0.43873	0.44730	0.44730	0.010	1.95454	20.00000	Averaged		
48 1,1,2-Trichloroethane	0.30017	0.29310	0.29310	0.100	-2.35526	20.00000	Averaged		
49 Chlorodibromomethane	0.25026	0.26268	0.26268	0.100	4.96257	20.00000	Averaged		
50 1,3-Dichloropropane	0.49719	0.49441	0.49441	0.100	-0.55819	20.00000	Averaged		
51 1,2-Dibromoethane	0.30312	0.30309	0.30309	0.010	-0.01126	20.00000	Averaged		
52 2-Hexanone	0.23496	0.23804	0.23804	0.010	1.31111	20.00000	Averaged		
54 Chlorobenzene	0.97308	0.98211	0.98211	0.500	0.92834	20.00000	Averaged		
55 Ethyl Benzene	0.51203	0.52888	0.52888	0.100	3.29088	20.00000	Averaged		
56 1,1,1,2-Tetrachloroethane	0.28294	0.30653	0.30653	0.010	8.33803	20.00000	Averaged		
57 m,p-xylene	0.62070	0.65622	0.65622	0.300	5.72277	20.00000	Averaged		
58 o-Xylene	0.65307	0.67627	0.67627	0.300	3.55241	20.00000	Averaged		
59 Styrene	1.03116	1.11078	1.11078	0.300	7.72150	20.00000	Averaged		
60 Bromoform	7.85173	10.00000	0.29394	0.010	-21.48270	20.00000	Linear <-		
61 Isopropyl Benzene	3.05629	3.11442	3.11442	0.010	1.90191	20.00000	Averaged		
\$ 62 4-Bromofluorobenzene	0.58494	0.59118	0.59118	0.200	1.06687	20.00000	Averaged		
63 Bromobenzene	0.75588	0.72895	0.72895	0.010	-3.56269	20.00000	Averaged		
64 N-Propyl Benzene	3.70265	3.75654	3.75654	0.010	1.45544	20.00000	Averaged		
65 1,1,2,2-Tetrachloroethane	0.82697	0.80837	0.80837	0.100	-2.24929	20.00000	Averaged		
66 2-Chloro Toluene	2.71008	2.66668	2.66668	0.010	-1.60115	20.00000	Averaged		
67 1,3,5-Trimethyl Benzene	2.56653	2.64904	2.64904	0.010	3.21482	20.00000	Averaged		
68 1,2,3-Trichloropropane	0.25617	0.24990	0.24990	0.010	-2.45027	20.00000	Averaged		
69 Trans-1,4-Dichloro 2-Butene	0.25578	0.21845	0.21845	0.001	-14.59714	20.00000	Averaged		
70 4-Chloro Toluene	2.49403	2.50209	2.50209	0.010	0.32317	20.00000	Averaged		
71 T-Butyl Benzene	2.20116	2.21391	2.21391	0.010	0.57913	20.00000	Averaged		
72 1,2,4-Trimethylbenzene	2.58960	2.68326	2.68326	0.010	3.61677	20.00000	Averaged		
73 S-Butyl Benzene	3.24931	3.28103	3.28103	0.010	0.97620	20.00000	Averaged		
74 4-Isopropyl Toluene	2.63649	2.71288	2.71288	0.010	2.89731	20.00000	Averaged		
75 1,3-Dichlorobenzene	1.45148	1.40988	1.40988	0.600	-2.86587	20.00000	Averaged		
77 1,4-Dichlorobenzene	1.50013	1.44645	1.44645	0.500	-3.57812	20.00000	Averaged		

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 16-AUG-2013 08:13
Lab File ID: cc0816.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
Analysis Type: WATER Init. Cal. Times: 13:37 16:43
Lab Sample ID: CC0816 Quant Type: ISTD
Method: /chem3/nt2.i/20130816.b/82600815L.m

COMPOUND	CCAL		MIN		MAX		CURVE TYPE
	RRF / AMOUNT	RF10	RRF10	RRF	%D / %DRIFT	%D / %DRIFT	
78 N-Butyl Benzene	2.57256	2.57299	2.57299	0.010	0.01670	20.00000	Averaged
79 d4-1,2-Dichlorobenzene	0.87987	0.88004	0.88004	0.010	0.01901	20.00000	Averaged
80 1,2-Dichlorobenzene	1.32030	1.28933	1.28933	0.400	-2.34588	20.00000	Averaged
81 1,2-Dibromo 3-Chloropropane	0.09854	0.10079	0.10079	0.010	2.28537	20.00000	Averaged
83 Hexachloro 1,3-Butadiene	10.67721	10.00000	0.29250	0.010	6.77206	20.00000	Linear
84 1,2,4-Trichlorobenzene	0.50364	0.51810	0.51810	0.010	2.87085	20.00000	Averaged
85 Naphthalene	0.98405	1.06852	1.06852	0.010	8.58436	20.00000	Averaged
86 1,2,3-Trichlorobenzene	0.26348	0.30583	0.30583	0.010	16.07340	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 19-AUG-2013 09:12
 Lab File ID: cc0819.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0819 Quant Type: ISTD
 Method: /chem3/nt2.i/20130819.b/82600815L.m

COMPOUND	RRF / AMOUNT		CCAL		MIN		MAX		CURVE TYPE
	RRF	AMOUNT	RRF10	RRF10	RRF	%D / %DRIFT	%D / %DRIFT		
1 Dichlorodifluoromethane	0.63705		0.67957	0.67957	0.010	6.67473	20.00000	Averaged	
2 Chloromethane	10.39804	10.00000	0.93683	0.93683	0.100	3.98037	20.00000	Linear	
3 Vinyl Chloride	0.95795	0.94893	0.94893	0.94893	0.100	-0.94143	20.00000	Averaged	
4 Bromomethane	0.40593	0.39767	0.39767	0.39767	0.100	-2.03631	20.00000	Averaged	
5 Chloroethane	11.72914	10.00000	0.49305	0.49305	0.010	17.29137	20.00000	Linear	
6 Trichlorofluoromethane	0.77376	0.85526	0.85526	0.85526	0.010	10.53194	20.00000	Averaged	
7 1,1-Dichloroethene	1.22230	1.27371	1.27371	1.27371	0.100	4.20631	20.00000	Averaged	
8 Carbon Disulfide	2.42751	2.48311	2.48311	2.48311	0.010	2.29050	20.00000	Averaged	
9 1,1,2-Trichloro-2,2-Trifluoroeth	0.76028	0.78189	0.78189	0.78189	0.010	2.84159	20.00000	Averaged	
10 Iodomethane	1.12253	1.08341	1.08341	1.08341	0.010	-3.48500	20.00000	Averaged	
11 Bromoethane	0.52117	0.51823	0.51823	0.51823	0.100	-0.56569	20.00000	Averaged	
12 Acrolein	0.12260	0.06674	0.06674	0.06674	0.000	-45.56051	20.00000	Averaged <-	
13 Methylene Chloride	0.78068	0.74148	0.74148	0.74148	0.010	-5.02018	20.00000	Averaged	
14 Acetone	0.21697	0.20504	0.20504	0.20504	0.001	-5.49844	20.00000	Averaged	
15 Trans-1,2-Dichloroethene	0.76183	0.73465	0.73465	0.73465	0.010	-3.56783	20.00000	Averaged	
17 Methyl tert butyl ether	2.04111	1.95554	1.95554	1.95554	0.100	-4.19250	20.00000	Averaged	
18 1,1,1-Dichloroethane	1.33077	1.35430	1.35430	1.35430	0.200	1.76830	20.00000	Averaged	
19 Acrylonitrile	0.27266	0.26019	0.26019	0.26019	0.001	-4.57280	20.00000	Averaged	
20 Vinyl Acetate	1.07556	0.99698	0.99698	0.99698	0.010	-7.30545	20.00000	Averaged	
22 Cis-1,2-Dichloroethene	0.80613	0.76490	0.76490	0.76490	0.010	-5.11548	20.00000	Averaged	
23 2,2-Dichloropropane	0.87912	0.93722	0.93722	0.93722	0.010	6.60849	20.00000	Averaged	
24 Bromochloromethane	0.33489	0.34158	0.34158	0.34158	0.050	1.99809	20.00000	Averaged	
25 Chloroform	1.14699	1.16451	1.16451	1.16451	0.200	1.52715	20.00000	Averaged	
26 Carbon Tetrachloride	0.37067	0.44521	0.44521	0.44521	0.100	20.10943	20.00000	Averaged <-	
\$ 27 Dibromofluoromethane	0.59507	0.63114	0.63114	0.63114	0.100	6.06056	20.00000	Averaged	
28 1,1,1-Trichloroethane	1.04721	1.08157	1.08157	1.08157	0.100	3.28127	20.00000	Averaged	
29 2-Butanone	0.28900	0.26295	0.26295	0.26295	0.001	-9.01331	20.00000	Averaged	
30 1,1-Dichloropropene	0.48248	0.48224	0.48224	0.48224	0.010	-0.05116	20.00000	Averaged	
31 Benzene	1.42769	1.40645	1.40645	1.40645	0.500	-1.48727	20.00000	Averaged	
\$ 33 d4-1,2-Dichloroethane	0.77933	0.77684	0.77684	0.77684	0.010	-0.31904	20.00000	Averaged	
34 1,2-Dichloroethane	0.52759	0.51583	0.51583	0.51583	0.100	-2.22761	20.00000	Averaged	
36 Trichloroethene	0.35096	0.34794	0.34794	0.34794	0.100	-0.86115	20.00000	Averaged	
38 Dibromomethane	0.21752	0.20804	0.20804	0.20804	0.010	-4.36008	20.00000	Averaged	
39 1,2-Dichloropropane	0.37785	0.36159	0.36159	0.36159	0.100	-4.30286	20.00000	Averaged	
40 Bromodichloromethane	0.40643	0.43526	0.43526	0.43526	0.100	7.09427	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 19-AUG-2013 09:12
 Lab File ID: cc0819.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0819 Quant Type: ISTD
 Method: /chem3/nt2.i/20130819.b/82600815L.m

COMPOUND	___		CCAL		MIN		MAX		CURVE TYPE
	RRF / AMOUNT	RF10	RRF10	RRF	%D / %DRIFT	%D / %DRIFT			
41 2-Chloroethyl Vinyl Ether	0.19901	0.16247	0.16247	0.000	-18.35782	20.00000	Averaged		
42 Cis 1,3-dichloropropene	0.47642	0.49422	0.49422	0.200	3.73609	20.00000	Averaged		
\$ 43 d8-Toluene	1.27187	1.28692	1.28692	0.010	1.18320	20.00000	Averaged		
44 Toluene	0.87782	0.83065	0.83065	0.400	-5.37325	20.00000	Averaged		
45 4-Methyl-2-Pentanone	0.14551	0.14119	0.14119	0.000	-2.97252	20.00000	Averaged		
46 Tetrachloroethene	0.31630	0.31204	0.31204	0.200	-1.34665	20.00000	Averaged		
47 Trans 1,3-Dichloropropene	0.43873	0.44186	0.44186	0.010	0.71378	20.00000	Averaged		
48 1,1,2-Trichloroethane	0.30017	0.27520	0.27520	0.100	-8.31604	20.00000	Averaged		
49 Chlorodibromomethane	0.25026	0.27400	0.27400	0.100	9.48417	20.00000	Averaged		
50 1,3-Dichloropropane	0.49719	0.43834	0.43834	0.100	-11.83642	20.00000	Averaged		
51 1,2-Dibromoethane	0.30312	0.27942	0.27942	0.010	-7.82065	20.00000	Averaged		
52 2-Hexanone	0.23496	0.20524	0.20524	0.010	-12.64929	20.00000	Averaged		
54 Chlorobenzene	0.97308	0.90137	0.90137	0.500	-7.36930	20.00000	Averaged		
55 Ethyl Benzene	0.51203	0.48632	0.48632	0.100	-5.02059	20.00000	Averaged		
56 1,1,1,2-Tetrachloroethane	0.28294	0.33114	0.33114	0.010	17.03332	20.00000	Averaged		
57 m,p-xylene	0.62070	0.60622	0.60622	0.300	-2.33321	20.00000	Averaged		
58 o-Xylene	0.65307	0.64699	0.64699	0.300	-0.93078	20.00000	Averaged		
59 Styrene	1.03116	1.01303	1.01303	0.300	-1.75774	20.00000	Averaged		
60 Bromoform	8.33059	10.00000	0.31187	0.010	-16.69411	20.00000	Linear		
61 Isopropyl Benzene	3.05629	2.71750	2.71750	0.010	-11.08514	20.00000	Averaged		
\$ 62 4-Bromofluorobenzene	0.58494	0.61200	0.61200	0.200	4.62616	20.00000	Averaged		
63 Bromobenzene	0.75588	0.64055	0.64055	0.010	-15.25780	20.00000	Averaged		
64 N-Propyl Benzene	3.70265	3.31400	3.31400	0.010	-10.49661	20.00000	Averaged		
65 1,1,2,2-Tetrachloroethane	0.82697	0.71470	0.71470	0.100	-13.57593	20.00000	Averaged		
66 2-Chloro Toluene	2.71008	2.37242	2.37242	0.010	-12.45927	20.00000	Averaged		
67 1,3,5-Trimethyl Benzene	2.56653	2.38621	2.38621	0.010	-7.02609	20.00000	Averaged		
68 1,2,3-Trichloropropane	0.25617	0.22063	0.22063	0.010	-13.87539	20.00000	Averaged		
69 Trans-1,4-Dichloro 2-Butene	0.25578	0.25752	0.25752	0.001	0.68033	20.00000	Averaged		
70 4-Chloro Toluene	2.49403	2.19443	2.19443	0.010	-12.01281	20.00000	Averaged		
71 T-Butyl Benzene	2.20116	1.97007	1.97007	0.010	-10.49833	20.00000	Averaged		
72 1,2,4-Trimethylbenzene	2.58960	2.42506	2.42506	0.010	-6.35383	20.00000	Averaged		
73 S-Butyl Benzene	3.24931	2.93527	2.93527	0.010	-9.66505	20.00000	Averaged		
74 4-Isopropyl Toluene	2.63649	2.45773	2.45773	0.010	-6.78033	20.00000	Averaged		
75 1,3-Dichlorobenzene	1.45148	1.28082	1.28082	0.600	-11.75776	20.00000	Averaged		
77 1,4-Dichlorobenzene	1.50013	1.31357	1.31357	0.500	-12.43630	20.00000	Averaged		

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 19-AUG-2013 09:12
 Lab File ID: cc0819.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0819 Quant Type: ISTD
 Method: /chem3/nt2.i/20130819.b/82600815L.m

COMPOUND	___		CCAL	MIN	MAX		CURVE TYPE
	RRF / AMOUNT	RF10	RRF10	RRF	%D / %DRIFT	%D / %DRIFT	
78 N-Butyl Benzene	2.57256	2.28082	2.28082	0.010	-11.34074	20.00000	Averaged
\$ 79 d4-1,2-Dichlorobenzene	0.87987	0.88375	0.88375	0.010	0.44099	20.00000	Averaged
80 1,2-Dichlorobenzene	1.32030	1.17153	1.17153	0.400	-11.26782	20.00000	Averaged
81 1,2-Dibromo 3-Chloropropane	0.09854	0.10351	0.10351	0.010	5.04070	20.00000	Averaged
83 Hexachloro 1,3-Butadiene	9.82644	10.00000	0.26919	0.010	-1.73556	20.00000	Linear
84 1,2,4-Trichlorobenzene	0.50364	0.51212	0.51212	0.010	1.68273	20.00000	Averaged
85 Naphthalene	0.98405	1.07086	1.07086	0.010	8.82197	20.00000	Averaged
86 1,2,3-Trichlorobenzene	0.26348	0.32471	0.32471	0.010	23.23767	20.00000	Averaged <-

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 20-AUG-2013 09:15
 Lab File ID: cc0820.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0820 Quant Type: ISTD
 Method: /chem3/nt2.i/20130820.b/82600815L.m

COMPOUND	RRF / AMOUNT		RFIC	CCAL		MIN		MAX		CURVE TYPE
	RRF	AMOUNT		RRF10	RRF	%D	%DRIFT	%D	%DRIFT	
1 Dichlorodifluoromethane	0.63705		0.67399	0.67399	0.010	5.79873	20.00000	Averaged		
2 Chloromethane	10.21079		10.00000	0.91996	0.100	2.10792	20.00000	Linear		
3 Vinyl Chloride	0.95795		0.92757	0.92757	0.100	-3.17065	20.00000	Averaged		
4 Bromomethane	0.40593		0.40653	0.40653	0.100	0.14569	20.00000	Averaged		
5 Chloroethane	12.35935		10.00000	0.51954	0.010	23.59345	20.00000	Linear	<-	
6 Trichlorofluoromethane	0.77376		0.84236	0.84236	0.010	8.86560	20.00000	Averaged		
7 1,1-Dichloroethene	1.22230		1.25797	1.25797	0.100	2.91797	20.00000	Averaged		
8 Carbon Disulfide	2.42751		2.45563	2.45563	0.010	1.15815	20.00000	Averaged		
9 1,1,1-Trichloro-2,2,2-Trifluoroethane	0.76028		0.74581	0.74581	0.010	-1.90321	20.00000	Averaged		
10 Iodomethane	1.12253		1.08491	1.08491	0.010	-3.35151	20.00000	Averaged		
11 Bromoethane	0.52117		0.50646	0.50646	0.100	-2.82384	20.00000	Averaged		
12 Acrolein	0.12260		0.08445	0.08445	0.000	-31.11266	20.00000	Averaged	<-	
13 Methylene Chloride	0.78068		0.74281	0.74281	0.010	-4.85038	20.00000	Averaged		
14 Acetone	0.21697		0.20456	0.20456	0.001	-5.72003	20.00000	Averaged		
15 Trans-1,2-Dichloroethene	0.76183		0.72123	0.72123	0.010	-5.32912	20.00000	Averaged		
17 Methyl tert butyl ether	2.04111		1.88738	1.88738	0.100	-7.53170	20.00000	Averaged		
18 1,1,1-Trichloroethane	1.33077		1.32816	1.32816	0.200	-0.19603	20.00000	Averaged		
19 Acrylonitrile	0.27266		0.24501	0.24501	0.001	-10.13874	20.00000	Averaged		
20 Vinyl Acetate	1.07556		0.95164	0.95164	0.010	-11.52134	20.00000	Averaged		
22 Cis-1,2-Dichloroethene	0.80613		0.74430	0.74430	0.010	-7.67061	20.00000	Averaged		
23 2,2-Dichloropropane	0.87912		0.90391	0.90391	0.010	2.81979	20.00000	Averaged		
24 Bromochloromethane	0.33489		0.34321	0.34321	0.050	2.48609	20.00000	Averaged		
25 Chloroform	1.14699		1.15481	1.15481	0.200	0.68176	20.00000	Averaged		
26 Carbon Tetrachloride	0.37067		0.45639	0.45639	0.100	23.12495	20.00000	Averaged	<-	
27 Dibromodifluoromethane	0.59507		0.62943	0.62943	0.100	5.77328	20.00000	Averaged		
28 1,1,1-Trichloroethane	1.04721		1.08310	1.08310	0.100	3.42644	20.00000	Averaged		
29 2,2,3-Trichloroethane	0.28900		0.25864	0.25864	0.001	-10.50231	20.00000	Averaged		
30 1,1,1-Trichloropropene	0.48248		0.47766	0.47766	0.010	-0.99925	20.00000	Averaged		
31 Benzene	1.42769		1.39939	1.39939	0.500	-1.98213	20.00000	Averaged		
33 1,1,2-Dichloroethane	0.77933		0.80188	0.80188	0.010	2.89300	20.00000	Averaged		
34 1,2-Dichloroethane	0.52759		0.54140	0.54140	0.100	2.61781	20.00000	Averaged		
36 Trichloroethylene	0.35096		0.34857	0.34857	0.100	-0.68125	20.00000	Averaged		
38 Dibromomethane	0.21752		0.21014	0.21014	0.010	-3.39237	20.00000	Averaged		
39 1,2-Dichloropropane	0.37785		0.36122	0.36122	0.100	-4.40142	20.00000	Averaged		
40 Bromodichloromethane	0.40643		0.42929	0.42929	0.100	5.62531	20.00000	Averaged		

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 20-AUG-2013 09:15
 Lab File ID: cc0820.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0820 Quant Type: ISTD
 Method: /chem3/nt2.i/20130820.b/82600815L.m

COMPOUND	RRF / AMOUNT		RFIC	CCAL		MIN		MAX		CURVE TYPE
	RRF	AMOUNT		RRF10	RRF	%D	%DRIFT	%D	%DRIFT	
41 2-Chloroethyl Vinyl Ether	0.19901		0.14175	0.14175	0.000	-28.76976	20.00000	Averaged	<-	
42 Cis 1,3-Dichloropropene	0.47642		0.46515	0.46515	0.200	-2.36576	20.00000	Averaged		
43 m,p-Xylene	1.27187		1.25080	1.25080	0.010	-1.65702	20.00000	Averaged		
44 Toluene	0.87782		0.80879	0.80879	0.400	-7.86432	20.00000	Averaged		
45 4-Methyl-2-Pentanone	0.14551		0.13742	0.13742	0.000	-5.56483	20.00000	Averaged		
46 Tetrachloroethene	0.31630		0.31425	0.31425	0.200	-0.64993	20.00000	Averaged		
47 Trans 1,3-Dichloropropene	0.43873		0.41792	0.41792	0.010	-4.74214	20.00000	Averaged		
48 1,1,2-Trichloroethane	0.30017		0.25986	0.25986	0.100	-13.42835	20.00000	Averaged		
49 Chlorodibromomethane	0.25026		0.28315	0.28315	0.100	13.13874	20.00000	Averaged		
50 1,3-Dichloropropane	0.49719		0.44707	0.44707	0.100	-10.08122	20.00000	Averaged		
51 1,2-Dibromoethane	0.30312		0.25410	0.25410	0.010	-16.17184	20.00000	Averaged		
52 2-Hexanone	0.23496		0.20178	0.20178	0.010	-14.11953	20.00000	Averaged		
54 Chlorobenzene	0.97308		0.91360	0.91360	0.500	-6.11171	20.00000	Averaged		
55 Ethyl Benzene	0.51203		0.50807	0.50807	0.100	-0.77244	20.00000	Averaged		
56 1,1,1,2-Tetrachloroethane	0.28294		0.34341	0.34341	0.010	21.36956	20.00000	Averaged	<-	
57 m,p-Xylene	0.62070		0.63752	0.63752	0.300	2.70972	20.00000	Averaged		
58 o-Xylene	0.65307		0.65964	0.65964	0.300	1.00738	20.00000	Averaged		
59 Styrene	1.03116		1.05589	1.05589	0.300	2.39836	20.00000	Averaged		
60 Bromoform	8.24198		10.00000	0.30855	0.010	-17.58015	20.00000	Linear		
61 Isopropyl Benzene	3.05629		2.73871	2.73871	0.010	-8.75521	20.00000	Averaged		
62 4-Bromobromobenzene	0.58494		0.61708	0.61708	0.200	5.49494	20.00000	Averaged		
63 Bromobenzene	0.75588		0.66241	0.66241	0.010	-12.36567	20.00000	Averaged		
64 N-propyl Benzene	3.70265		3.33600	3.33600	0.010	-9.90245	20.00000	Averaged		
65 1,1,2,2-Tetrachloroethane	0.82697		0.72630	0.72630	0.100	-12.17252	20.00000	Averaged		
66 2,4-Dibromotoluene	2.71008		2.43014	2.43014	0.010	-10.32944	20.00000	Averaged		
67 1,2-Dimethyl Benzene	2.56653		2.43086	2.43086	0.010	-5.28636	20.00000	Averaged		
68 1,2-Dibromopropane	0.25617		0.21977	0.21977	0.010	-14.21239	20.00000	Averaged		
69 Trans 1,2-Dichloro 2-Butene	0.25578		0.25010	0.25010	0.001	-2.22304	20.00000	Averaged		
70 1,3-Dibromotoluene	2.49403		2.27475	2.27475	0.010	-8.79232	20.00000	Averaged		
71 1-Ethyl Benzene	2.20116		1.99378	1.99378	0.010	-9.42140	20.00000	Averaged		
72 1,2,4-Trimethylbenzene	2.58960		2.47543	2.47543	0.010	-4.40852	20.00000	Averaged		
73 3-Methyl Benzene	3.24931		3.00857	3.00857	0.010	-7.40900	20.00000	Averaged		
74 4-Propyl Benzene	2.63649		2.50131	2.50131	0.010	-5.12729	20.00000	Averaged		
75 1,3-Dibromobenzene	1.45148		1.34531	1.34531	0.600	-7.31451	20.00000	Averaged		
77 1,4-Dibromobenzene	1.50013		1.40021	1.40021	0.500	-6.66036	20.00000	Averaged		

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 20-AUG-2013 09:15
 Lab File ID: cc0820.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0820 Quant Type: ISTD
 Method: /chem3/nt2.i/20130820.b/82600815L.m

COMPOUND	RRF / AMOUNT		CCAL		MIN		MAX		CURVE TYPE
	RRF	AMOUNT	REF10	RRF10	RRF	%D / %DRIFT	%D / %DRIFT		
78 N-Butyl Benzene	2.57256		2.43864	2.43864	0.010	-5.20572	20.00000	Averaged	
79 1,2-Dichlorobenzene	0.87987		0.93096	0.93096	0.010	5.80603	20.00000	Averaged	
80 1,3-Dichlorobenzene	1.32030		1.27314	1.27314	0.400	-3.57190	20.00000	Averaged	
81 1,2-Dibromo 3-Chloropropane	0.09854		0.10884	0.10884	0.010	10.45098	20.00000	Averaged	
83 Hexachloro 1,3-Butadiene	10.67451		10.00000	0.29242	0.010	6.74508	20.00000	Linear	
84 1,2,4-Trichlorobenzene	0.50364		0.53864	0.53864	0.010	6.94855	20.00000	Averaged	
85 Naphthalene	0.98405		1.11921	1.11921	0.010	13.73528	20.00000	Averaged	
86 1,2,3-Trichlorobenzene	0.26348		0.33874	0.33874	0.010	28.56439	20.00000	Averaged	

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-1-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31A

QC Report No: XB31-AECOM

LIMS ID: 13-17062

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AB*

Date Sampled: 08/14/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 13:28

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	7.9	E
127-18-4	Tetrachloroethene	0.020	0.94	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.9%
d8-Toluene	97.7%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-3-0813
Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31B


QC Report No: XB31-AECOM

LIMS ID: 13-17063

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/13/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 13:55

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	0.50	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	97.4%
d8-Toluene	96.0%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-4-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31C


QC Report No: XB31-AECOM

LIMS ID: 13-17064

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/15/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 14:23

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	9.6	E
127-18-4	Tetrachloroethene	0.020	0.64	


Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	97.2%
d8-Toluene	97.7%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-5-0813
Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31D
LIMS ID: 13-17065
Matrix: Water
Data Release Authorized: 
Reported: 08/19/13

QC Report No: XB31-AECOM
Project: GE
60237964-200.2
Date Sampled: 08/14/13
Date Received: 08/15/13

Instrument/Analyst: NT7/PKC
Date Analyzed: 08/16/13 14:51

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	0.19	
127-18-4	Tetrachloroethene	0.020	0.13	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.9%
d8-Toluene	96.6%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-6-0813

Page 1 of 1

SAMPLE

Lab Sample ID: XB31E


QC Report No: XB31-AECOM

LIMS ID: 13-17066

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/13/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 15:18

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	0.54	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.3%
d8-Toluene	95.1%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-7-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31F
 LIMS ID: 13-17067
 Matrix: Water
 Data Release Authorized: *AS*
 Reported: 08/19/13

QC Report No: XB31-AECOM
 Project: GE
 60237964-200.2
 Date Sampled: 08/13/13
 Date Received: 08/15/13

Instrument/Analyst: NT7/PKC
 Date Analyzed: 08/16/13 15:46

Sample Amount: 10.0 mL
 Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	3.2	
127-18-4	Tetrachloroethene	0.020	0.022	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	97.6%
d8-Toluene	96.6%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-8S-0813

Page 1 of 1

SAMPLE

Lab Sample ID: XB31G


QC Report No: XB31-AECOM

LIMS ID: 13-17068

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/13/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 16:13

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	8.8	E
127-18-4	Tetrachloroethene	0.020	0.029	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.6%
d8-Toluene	96.8%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-8M-0813
Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31H


QC Report No: XB31-AECOM

LIMS ID: 13-17069

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/13/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 16:41

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.1%
d8-Toluene	96.8%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-10-0813
Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31I

QC Report No: XB31-AECOM

LIMS ID: 13-17070

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/13/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 17:09

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	0.069	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.1%
d8-Toluene	94.8%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-11-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31J


QC Report No: XB31-AECOM

LIMS ID: 13-17071

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 17:36

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	0.28	
79-01-6	Trichloroethene	0.020	7.9	E
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.9%
d8-Toluene	95.3%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-12-0813
Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31K


QC Report No: XB31-AECOM

LIMS ID: 13-17072

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 18:04

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.6%
d8-Toluene	95.1%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-13-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31L
 LIMS ID: 13-17073
 Matrix: Water
 Data Release Authorized: *[Signature]*
 Reported: 08/19/13

QC Report No: XB31-AECOM
 Project: GE
 60237964-200.2
 Date Sampled: 08/13/13
 Date Received: 08/15/13

Instrument/Analyst: NT7/PKC
 Date Analyzed: 08/16/13 18:32

Sample Amount: 10.0 mL
 Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.6%
d8-Toluene	95.3%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-14M-0813
Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31M

QC Report No: XB31-AECOM

LIMS ID: 13-17074

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: 08/14/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 18:59

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	1.6	
79-01-6	Trichloroethene	0.020	52	ES
127-18-4	Tetrachloroethene	0.020	< 0.020	U


Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.5%
d8-Toluene	96.8%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-14D-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31N
 LIMS ID: 13-17075
 Matrix: Water
 Data Release Authorized: 
 Reported: 08/19/13

QC Report No: XB31-AECOM
 Project: GE
 60237964-200.2
 Date Sampled: 08/14/13
 Date Received: 08/15/13

Instrument/Analyst: NT7/PKC
 Date Analyzed: 08/19/13 13:55

Sample Amount: 10.0 mL
 Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	0.050	
79-01-6	Trichloroethene	0.020	0.058	
127-18-4	Tetrachloroethene	0.020	< 0.020	U


Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.7%
d8-Toluene	95.2%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-15M-0813
Page 1 of 1 **SAMPLE**

Lab Sample ID: XB310
LIMS ID: 13-17076
Matrix: Water
Data Release Authorized: 
Reported: 08/19/13

QC Report No: XB31-AECOM
Project: GE
60237964-200.2
Date Sampled: 08/14/13
Date Received: 08/15/13

Instrument/Analyst: NT7/PKC
Date Analyzed: 08/16/13 19:55

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	0.056	
79-01-6	Trichloroethene	0.020	43	ES
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	97.0%
d8-Toluene	95.3%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-15D-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31P

QC Report No: XB31-AECOM

LIMS ID: 13-17077

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *B*

Date Sampled: 08/14/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 20:22

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	0.73	
79-01-6	Trichloroethene	0.020	35	ES
127-18-4	Tetrachloroethene	0.020	< 0.020	U


Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.6%
d8-Toluene	95.7%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-16M-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31Q
 LIMS ID: 13-17078
 Matrix: Water
 Data Release Authorized: 
 Reported: 08/19/13

QC Report No: XB31-AECOM
 Project: GE
 60237964-200.2
 Date Sampled: 08/14/13
 Date Received: 08/15/13

Instrument/Analyst: NT7/PKC
 Date Analyzed: 08/19/13 14:22

Sample Amount: 10.0 mL
 Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.8%
d8-Toluene	95.3%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-16D-0813
Page 1 of 1 SAMPLE

Lab Sample ID: XB31R


QC Report No: XB31-AECOM

LIMS ID: 13-17079

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 21:18

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.7%
d8-Toluene	95.7%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-17M-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31S

QC Report No: XB31-AECOM

LIMS ID: 13-17080

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: 08/14/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 21:45

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.1%
d8-Toluene	95.1%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-17D-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB31T


QC Report No: XB31-AECOM

LIMS ID: 13-17081

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 22:13

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.6%
d8-Toluene	95.4%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-16D-0813
 Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: XB31R
 LIMS ID: 13-17079
 Matrix: Water
 Data Release Authorized: *AS*
 Reported: 08/19/13

QC Report No: XB31-AECOM
 Project: GE
 60237964-200.2
 Date Sampled: 08/14/13
 Date Received: 08/15/13

Instrument/Analyst MS: NT7/PKC
 MSD: NT7/PKC
 Date Analyzed MS: 08/16/13 22:41
 MSD: 08/16/13 23:08

Sample Amount MS: 10.0 mL
 MSD: 10.0 mL
 Purge Volume MS: 10.0 mL
 MSD: 10.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Vinyl Chloride	< 0.020 U	0.871	1.00	87.1%	0.802	1.00	80.2%	8.2%
Trichloroethene	< 0.020 U	0.990	1.00	99.0%	1.00	1.00	100%	1.0%
Tetrachloroethene	< 0.020 U	0.994	1.00	99.4%	1.00	1.00	100%	0.6%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-16D-0813
 Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: XB31R

QC Report No: XB31-AECOM

LIMS ID: 13-17079

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AB*

Date Sampled: 08/14/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 22:41

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	---	
79-01-6	Trichloroethene	0.020	---	
127-18-4	Tetrachloroethene	0.020	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.2%
d8-Toluene	96.6%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-16D-0813

Page 1 of 1

MATRIX SPIKE DUP

Lab Sample ID: XB31R

QC Report No: XB31-AECOM

LIMS ID: 13-17079

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: 08/14/13

Reported: 08/19/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 23:08

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	---	
79-01-6	Trichloroethene	0.020	---	
127-18-4	Tetrachloroethene	0.020	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.6%
d8-Toluene	96.1%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MB-081613

Page 1 of 1

METHOD BLANK

Lab Sample ID: MB-081613


QC Report No: XB31-AECOM

LIMS ID: 13-17062

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: NA

Reported: 08/19/13

Date Received: NA

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/16/13 13:02

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.5%
d8-Toluene	96.6%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MB-081913

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METHOD BLANK

Lab Sample ID: MB-081913


QC Report No: XB31-AECOM

LIMS ID: 13-17075

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: NA

Reported: 08/19/13

Date Received: NA

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 12:52

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	95.4%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: LCS-081613

Page 1 of 1

LAB CONTROL SAMPLE

Lab Sample ID: LCS-081613

QC Report No: XB31-AECOM

LIMS ID: 13-17062

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AB*

Date Sampled: NA

Reported: 08/19/13

Date Received: NA

Instrument/Analyst LCS: NT7/PKC

Sample Amount LCS: 10.0 mL

LCSD: NT7/PKC

LCSD: 10.0 mL

Date Analyzed LCS: 08/16/13 12:07

Purge Volume LCS: 10.0 mL

LCSD: 08/16/13 12:34

LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Vinyl Chloride	0.915	1.00	91.5%	0.915	1.00	91.5%	0.0%
Trichloroethene	0.991	1.00	99.1%	0.986	1.00	98.6%	0.5%
Tetrachloroethene	0.999	1.00	99.9%	0.988	1.00	98.8%	1.1%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	97.9%	97.2%
d8-Toluene	99.2%	98.2%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: LCS-081913

Page 1 of 1

LAB CONTROL SAMPLE

Lab Sample ID: LCS-081913

QC Report No: XB31-AECOM

LIMS ID: 13-17075

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: NA

Reported: 08/19/13

Date Received: NA

Instrument/Analyst LCS: NT7/PKC

Sample Amount LCS: 10.0 mL

LCSD: NT7/PKC

LCSD: 10.0 mL

Date Analyzed LCS: 08/19/13 11:56

Purge Volume LCS: 10.0 mL

LCSD: 08/19/13 12:25

LCSD: 10.0 mL

Analyte	LCS	Spike		LCS	LCSD	Spike		RPD
		Added-LCS	Recovery			Added-LCSD	Recovery	
Vinyl Chloride	0.865	1.00	86.5%	0.830	1.00	83.0%	4.1%	
Trichloroethene	0.958	1.00	95.8%	0.947	1.00	94.7%	1.2%	
Tetrachloroethene	0.973	1.00	97.3%	0.941	1.00	94.1%	3.3%	

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	99.9%	98.4%
d8-Toluene	99.1%	98.6%

SW8260-SIM SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: XB31-AECOM
Project: GE
60237964-200.2

<u>Client ID</u>	<u>DCE</u>	<u>TOL</u>	<u>TOT OUT</u>
MB-081613	96.5%	96.6%	0
LCS-081613	97.9%	99.2%	0
LCSD-081613	97.2%	98.2%	0
MW-1-0813	96.9%	97.7%	0
MW-3-0813	97.4%	96.0%	0
MW-4-0813	97.2%	97.7%	0
MW-5-0813	96.9%	96.6%	0
MW-6-0813	98.3%	95.1%	0
MW-7-0813	97.6%	96.6%	0
MW-8S-0813	99.6%	96.8%	0
MW-8M-0813	99.1%	96.8%	0
MW-10-0813	96.1%	94.8%	0
MW-11-0813	99.9%	95.3%	0
MW-12-0813	98.6%	95.1%	0
MW-13-0813	96.6%	95.3%	0
MW-14M-0813	99.5%	96.8%	0
MB-081913	100%	95.4%	0
LCS-081913	99.9%	99.1%	0
LCSD-081913	98.4%	98.6%	0
MW-14D-0813	98.7%	95.2%	0
MW-15M-0813	97.0%	95.3%	0
MW-15D-0813	96.6%	95.7%	0
MW-16M-0813	99.8%	95.3%	0
MW-16D-0813	99.7%	95.7%	0
MW-16D-0813-MS	99.2%	96.6%	0
MW-16D-0813-MSD	99.6%	96.1%	0
MW-17M-0813	99.1%	95.1%	0
MW-17D-0813	96.6%	95.4%	0

LCS/MB LIMITS QC LIMITS

(DCE) = d4-1,2-Dichloroethane
(TOL) = d8-Toluene

(78-126) (80-129)
(80-120) (80-120)

Prep Method: SW5030
Log Number Range: 13-17062 to 13-17081

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-18M-0813

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SAMPLE

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AB*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 16:37

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	0.22	
156-60-5	trans-1,2-Dichloroethene	0.20	0.35	
156-59-2	cis-1,2-Dichloroethene	0.20	3.3	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-18M-0813

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SAMPLE

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 16:37

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	110%
d8-Toluene	96.6%
Bromofluorobenzene	103%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-18D-0813

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SAMPLE

Lab Sample ID: XB32B


QC Report No: XB32-AECOM

LIMS ID: 13-17083

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 17:03

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	1.4	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Page 2 of 2

Sample ID: MW-18D-0813

SAMPLE



Lab Sample ID: XB32B

QC Report No: XB32-AECOM

LIMS ID: 13-17083

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 17:03

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	106%
d8-Toluene	93.3%
Bromofluorobenzene	106%
d4-1,2-Dichlorobenzene	103%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-19M-0813

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SAMPLE

Lab Sample ID: XB32C


QC Report No: XB32-AECOM

LIMS ID: 13-17084

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/15/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 17:29

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Page 2 of 2



Sample ID: MW-19M-0813

SAMPLE

Lab Sample ID: XB32C

QC Report No: XB32-AECOM

LIMS ID: 13-17084

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 17:29

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	93.6%
Bromofluorobenzene	105%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-20M-0813

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SAMPLE

Lab Sample ID: XB32D


QC Report No: XB32-AECOM

LIMS ID: 13-17085

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 17:56

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	0.47	
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	0.46	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	0.28	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-20M-0813

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SAMPLE

Lab Sample ID: XB32D

QC Report No: XB32-AECOM

LIMS ID: 13-17085

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 17:56

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	107%
d8-Toluene	94.2%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	106%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-21S-0813

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SAMPLE

Lab Sample ID: XB32E


QC Report No: XB32-AECOM

LIMS ID: 13-17086

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 18:22

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	0.53	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	1.6	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

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Sample ID: MW-21S-0813

SAMPLE



Lab Sample ID: XB32E

QC Report No: XB32-AECOM

LIMS ID: 13-17086

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 18:22

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	93.2%
Bromofluorobenzene	105%
d4-1,2-Dichlorobenzene	103%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-2D-0813

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SAMPLE

Lab Sample ID: XB32F

QC Report No: XB32-AECOM

LIMS ID: 13-17087

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized:

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 18:49

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	1.3	
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	20	
75-34-3	1,1-Dichloroethane	0.20	14	
156-60-5	trans-1,2-Dichloroethene	0.20	60	
156-59-2	cis-1,2-Dichloroethene	0.20	110	E
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	27	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-2D-0813

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SAMPLE

Lab Sample ID: XB32F

QC Report No: XB32-AECOM

LIMS ID: 13-17087

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 18:49

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	89.1%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	106%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-2D-0813

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DILUTION

Lab Sample ID: XB32F


QC Report No: XB32-AECOM

LIMS ID: 13-17087

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 2.00 mL

Date Analyzed: 08/20/13 12:03

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	2.5	< 2.5	U
74-83-9	Bromomethane	5.0	< 5.0	U
75-01-4	Vinyl Chloride	1.0	1.4	
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	5.0	< 5.0	U
67-64-1	Acetone	25	< 25	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	19	
75-34-3	1,1-Dichloroethane	1.0	14	
156-60-5	trans-1,2-Dichloroethene	1.0	62	
156-59-2	cis-1,2-Dichloroethene	1.0	120	
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	25	< 25	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	29	
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	5.0	< 5.0	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	25	< 25	U
591-78-6	2-Hexanone	25	< 25	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	< 1.0	U
179601-23-1	m,p-Xylene	2.0	< 2.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-2D-0813

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DILUTION

Lab Sample ID: XB32F

QC Report No: XB32-AECOM

LIMS ID: 13-17087

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 12:03

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	25	< 25	U
74-88-4	Iodomethane	5.0	< 5.0	U
74-96-4	Bromoethane	1.0	< 1.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	< 2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	< 2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	2.5	< 2.5	U
106-93-4	1,2-Dibromoethane	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	U
91-20-3	Naphthalene	2.5	< 2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	107%
d8-Toluene	92.4%
Bromofluorobenzene	109%
d4-1,2-Dichlorobenzene	102%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-3S-0813

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SAMPLE

Lab Sample ID: XB32G

QC Report No: XB32-AECOM

LIMS ID: 13-17088

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 13:26

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	0.22	
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	0.39	
75-34-3	1,1-Dichloroethane	0.20	0.74	
156-60-5	trans-1,2-Dichloroethene	0.20	5.2	
156-59-2	cis-1,2-Dichloroethene	0.20	26	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	3.5	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

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Sample ID: EPI-MW-3S-0813

SAMPLE

Lab Sample ID: XB32G

QC Report No: XB32-AECOM

LIMS ID: 13-17088

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 13:26

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	110%
d8-Toluene	92.5%
Bromofluorobenzene	107%
d4-1,2-Dichlorobenzene	105%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-3D-0813

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SAMPLE

Lab Sample ID: XB32H

QC Report No: XB32-AECOM

LIMS ID: 13-17089

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized:

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 13:52

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	0.82	
75-34-3	1,1-Dichloroethane	0.20	2.2	
156-60-5	trans-1,2-Dichloroethene	0.20	1.1	
156-59-2	cis-1,2-Dichloroethene	0.20	4.3	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	0.75	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-3D-0813

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SAMPLE

Lab Sample ID: XB32H

QC Report No: XB32-AECOM

LIMS ID: 13-17089

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 13:52

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	107%
d8-Toluene	94.6%
Bromofluorobenzene	107%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-4S-0813

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SAMPLE

Lab Sample ID: XB32I

QC Report No: XB32-AECOM

LIMS ID: 13-17090

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AB*

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 14:19

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	0.27	
156-60-5	trans-1,2-Dichloroethene	0.20	0.20	
156-59-2	cis-1,2-Dichloroethene	0.20	2.7	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	6.0	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-4S-0813

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SAMPLE

Lab Sample ID: XB32I

QC Report No: XB32-AECOM

LIMS ID: 13-17090

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 14:19

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	91.3%
Bromofluorobenzene	105%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-4D-0813

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SAMPLE

Lab Sample ID: XB32J

QC Report No: XB32-AECOM

LIMS ID: 13-17091

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 14:46

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	1.4	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: EPI-MW-4D-0813

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SAMPLE

Lab Sample ID: XB32J

QC Report No: XB32-AECOM

LIMS ID: 13-17091

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 14:46

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	114%
d8-Toluene	93.6%
Bromofluorobenzene	105%
d4-1,2-Dichlorobenzene	104%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-400-0813

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SAMPLE

Lab Sample ID: XB32K

QC Report No: XB32-AECOM

LIMS ID: 13-17092

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: 08/15/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 15:12

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	1.4	
75-34-3	1,1-Dichloroethane	0.20	2.2	
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	3.5	
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	10	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	0.73	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-400-0813

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SAMPLE

Lab Sample ID: XB32K

QC Report No: XB32-AECOM

LIMS ID: 13-17092

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 15:12

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in ug/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	110%
d8-Toluene	91.3%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	107%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-140D-0813

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SAMPLE

Lab Sample ID: XB32L

QC Report No: XB32-AECOM

LIMS ID: 13-17093

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 15:39

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	0.54	
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	0.85	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-140D-0813

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SAMPLE

Lab Sample ID: XB32L

QC Report No: XB32-AECOM

LIMS ID: 13-17093

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 15:39

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	112%
d8-Toluene	93.8%
Bromofluorobenzene	105%
d4-1,2-Dichlorobenzene	105%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-210S-0813

Page 1 of 2

SAMPLE

Lab Sample ID: XB32M

QC Report No: XB32-AECOM

LIMS ID: 13-17094

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 16:06

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	0.49	
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	1.6	
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-210S-0813

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SAMPLE

Lab Sample ID: XB32M

QC Report No: XB32-AECOM

LIMS ID: 13-17094

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 16:06

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	111%
d8-Toluene	93.8%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	105%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: TB-0813

Page 1 of 2

SAMPLE

Lab Sample ID: XB32N

QC Report No: XB32-AECOM

LIMS ID: 13-17095

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AS*

Date Sampled: 08/13/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 16:33

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: TB-0813

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SAMPLE

Lab Sample ID: XB32N

QC Report No: XB32-AECOM

LIMS ID: 13-17095

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 16:33

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	116%
d8-Toluene	94.0%
Bromofluorobenzene	103%
d4-1,2-Dichlorobenzene	105%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-18M-0813

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MATRIX SPIKE

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AS*

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst MS: NT2/LH

Sample Amount MS: 10.0 mL

MSD: NT2/LH

MSD: 10.0 mL

Date Analyzed MS: 08/20/13 18:20

Purge Volume MS: 10.0 mL

MSD: 08/20/13 18:47

MSD: 10.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Chloromethane	< 0.50 U	10.6	10.0	106%	9.83	10.0	98.3%	7.5%
Bromomethane	< 1.0 U	9.77	10.0	97.7%	9.16	10.0	91.6%	6.4%
Vinyl Chloride	< 0.20 U	9.95	10.0	99.5%	9.30	10.0	93.0%	6.8%
Chloroethane	< 0.20 U	12.4 Q	10.0	124%	11.3 Q	10.0	113%	9.3%
Methylene Chloride	< 1.0 U	9.69	10.0	96.9%	9.38	10.0	93.8%	3.3%
Acetone	< 5.0 U	49.7	50.0	99.4%	49.5	50.0	99.0%	0.4%
Carbon Disulfide	< 0.20 U	9.96	10.0	99.6%	9.60	10.0	96.0%	3.7%
1,1-Dichloroethene	< 0.20 U	10.6	10.0	106%	10.3	10.0	103%	2.9%
1,1-Dichloroethane	0.22	10.3	10.0	101%	10.2	10.0	99.8%	1.0%
trans-1,2-Dichloroethene	0.35	9.76	10.0	94.1%	9.69	10.0	93.4%	0.7%
cis-1,2-Dichloroethene	3.3	12.4	10.0	91.0%	12.3	10.0	90.0%	0.8%
Chloroform	< 0.20 U	10.1	10.0	101%	10.0	10.0	100%	1.0%
1,2-Dichloroethane	< 0.20 U	10.4	10.0	104%	10.2	10.0	102%	1.9%
2-Butanone	< 5.0 U	43.9	50.0	87.8%	47.1	50.0	94.2%	7.0%
1,1,1-Trichloroethane	< 0.20 U	10.2	10.0	102%	9.83	10.0	98.3%	3.7%
Carbon Tetrachloride	< 0.20 U	11.8 Q	10.0	118%	11.2 Q	10.0	112%	5.2%
Vinyl Acetate	< 0.20 U	7.52	10.0	75.2%	7.75	10.0	77.5%	3.0%
Bromodichloromethane	< 0.20 U	10.4	10.0	104%	9.98	10.0	99.8%	4.1%
1,2-Dichloropropane	< 0.20 U	9.75	10.0	97.5%	9.46	10.0	94.6%	3.0%
cis-1,3-Dichloropropene	< 0.20 U	8.93	10.0	89.3%	9.03	10.0	90.3%	1.1%
Trichloroethene	< 0.20 U	10.2	10.0	102%	9.55	10.0	95.5%	6.6%
Dibromochloromethane	< 0.20 U	10.6	10.0	106%	10.7	10.0	107%	0.9%
1,1,2-Trichloroethane	< 0.20 U	8.56	10.0	85.6%	8.42	10.0	84.2%	1.6%
Benzene	< 0.20 U	10.0	10.0	100%	9.63	10.0	96.3%	3.8%
trans-1,3-Dichloropropene	< 0.20 U	8.62	10.0	86.2%	8.86	10.0	88.6%	2.7%
2-Chloroethylvinylether	< 1.0 U	< 1.00 U	10.0	NA	< 1.00 U	10.0	NA	NA
Bromoform	< 0.20 U	6.74	10.0	67.4%	7.04	10.0	70.4%	4.4%
4-Methyl-2-Pentanone (MIBK)	< 5.0 U	48.6	50.0	97.2%	45.9	50.0	91.8%	5.7%
2-Hexanone	< 5.0 U	44.9	50.0	89.8%	45.4	50.0	90.8%	1.1%
Tetrachloroethene	< 0.20 U	10.7	10.0	107%	10.3	10.0	103%	3.8%
1,1,2,2-Tetrachloroethane	< 0.20 U	8.65	10.0	86.5%	8.57	10.0	85.7%	0.9%
Toluene	< 0.20 U	9.12	10.0	91.2%	8.90	10.0	89.0%	2.4%
Chlorobenzene	< 0.20 U	9.55	10.0	95.5%	9.50	10.0	95.0%	0.5%
Ethylbenzene	< 0.20 U	10.2	10.0	102%	9.95	10.0	99.5%	2.5%
Styrene	< 0.20 U	10.1	10.0	101%	9.92	10.0	99.2%	1.8%
Trichlorofluoromethane	< 0.20 U	10.7	10.0	107%	10.2	10.0	102%	4.8%
1,1,2-Trichloro-1,2,2-trifl	< 0.20 U	9.93	10.0	99.3%	9.65	10.0	96.5%	2.9%
m,p-Xylene	< 0.40 U	20.5	20.0	102%	20.1	20.0	100%	2.0%
o-Xylene	< 0.20 U	10.3	10.0	103%	10.0	10.0	100%	3.0%
1,2-Dichlorobenzene	< 0.20 U	9.69	10.0	96.9%	9.28	10.0	92.8%	4.3%
1,3-Dichlorobenzene	< 0.20 U	9.39	10.0	93.9%	9.13	10.0	91.3%	2.8%
1,4-Dichlorobenzene	< 0.20 U	9.25	10.0	92.5%	9.09	10.0	90.9%	1.7%
Acrolein	< 5.0 U	34.3 Q	50.0	68.6%	35.5 Q	50.0	71.0%	3.4%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-18M-0813

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MATRIX SPIKE

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Iodomethane	< 1.0 U	9.77	10.0	97.7%	9.46	10.0	94.6%	3.2%
Bromoethane	< 0.20 U	9.92	10.0	99.2%	9.70	10.0	97.0%	2.2%
Acrylonitrile	< 1.0 U	9.14	10.0	91.4%	9.64	10.0	96.4%	5.3%
1,1-Dichloropropene	< 0.20 U	10.4	10.0	104%	9.94	10.0	99.4%	4.5%
Dibromomethane	< 0.20 U	9.94	10.0	99.4%	9.54	10.0	95.4%	4.1%
1,1,1,2-Tetrachloroethane	< 0.20 U	11.6 Q	10.0	116%	11.2 Q	10.0	112%	3.5%
1,2-Dibromo-3-chloropropane	< 0.50 U	10.5	10.0	105%	10.4	10.0	104%	1.0%
1,2,3-Trichloropropane	< 0.50 U	8.56	10.0	85.6%	8.35	10.0	83.5%	2.5%
trans-1,4-Dichloro-2-butene	< 1.0 U	8.67	10.0	86.7%	8.87	10.0	88.7%	2.3%
1,3,5-Trimethylbenzene	< 0.20 U	9.25	10.0	92.5%	9.40	10.0	94.0%	1.6%
1,2,4-Trimethylbenzene	< 0.20 U	9.51	10.0	95.1%	9.47	10.0	94.7%	0.4%
Hexachlorobutadiene	< 0.50 U	10.6	10.0	106%	9.98	10.0	99.8%	6.0%
1,2-Dibromoethane	< 0.20 U	8.46	10.0	84.6%	8.29	10.0	82.9%	2.0%
Bromochloromethane	< 0.20 U	9.83	10.0	98.3%	9.94	10.0	99.4%	1.1%
2,2-Dichloropropane	< 0.20 U	9.26	10.0	92.6%	8.76	10.0	87.6%	5.5%
1,3-Dichloropropane	< 0.20 U	8.91	10.0	89.1%	9.15	10.0	91.5%	2.7%
Isopropylbenzene	< 0.20 U	8.83	10.0	88.3%	9.04	10.0	90.4%	2.4%
n-Propylbenzene	< 0.20 U	8.76	10.0	87.6%	8.91	10.0	89.1%	1.7%
Bromobenzene	< 0.20 U	8.55	10.0	85.5%	8.51	10.0	85.1%	0.5%
2-Chlorotoluene	< 0.20 U	8.98	10.0	89.8%	8.90	10.0	89.0%	0.9%
4-Chlorotoluene	< 0.20 U	8.97	10.0	89.7%	8.91	10.0	89.1%	0.7%
tert-Butylbenzene	< 0.20 U	9.02	10.0	90.2%	9.12	10.0	91.2%	1.1%
sec-Butylbenzene	< 0.20 U	9.15	10.0	91.5%	9.28	10.0	92.8%	1.4%
4-Isopropyltoluene	< 0.20 U	9.42	10.0	94.2%	9.42	10.0	94.2%	0.0%
n-Butylbenzene	< 0.20 U	9.30	10.0	93.0%	9.32	10.0	93.2%	0.2%
1,2,4-Trichlorobenzene	< 0.50 U	11.2	10.0	112%	10.7	10.0	107%	4.6%
Naphthalene	< 0.50 U	11.7	10.0	117%	11.2	10.0	112%	4.4%
1,2,3-Trichlorobenzene	< 0.50 U	13.9 Q	10.0	139%	13.0 Q	10.0	130%	6.7%

Reported in µg/L (ppb)

NA-No recovery due to high concentration of analyte in original sample, calculated negative recovery, or undetected spike.
RPD calculated using sample concentrations per SW846.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-18M-0813

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MATRIX SPIKE

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized:

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 18:20

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	---	
74-83-9	Bromomethane	1.0	---	
75-01-4	Vinyl Chloride	0.20	---	
75-00-3	Chloroethane	0.20	---	
75-09-2	Methylene Chloride	1.0	---	
67-64-1	Acetone	5.0	---	
75-15-0	Carbon Disulfide	0.20	---	
75-35-4	1,1-Dichloroethene	0.20	---	
75-34-3	1,1-Dichloroethane	0.20	---	
156-60-5	trans-1,2-Dichloroethene	0.20	---	
156-59-2	cis-1,2-Dichloroethene	0.20	---	
67-66-3	Chloroform	0.20	---	
107-06-2	1,2-Dichloroethane	0.20	---	
78-93-3	2-Butanone	5.0	---	
71-55-6	1,1,1-Trichloroethane	0.20	---	
56-23-5	Carbon Tetrachloride	0.20	---	
108-05-4	Vinyl Acetate	0.20	---	
75-27-4	Bromodichloromethane	0.20	---	
78-87-5	1,2-Dichloropropane	0.20	---	
10061-01-5	cis-1,3-Dichloropropene	0.20	---	
79-01-6	Trichloroethene	0.20	---	
124-48-1	Dibromochloromethane	0.20	---	
79-00-5	1,1,2-Trichloroethane	0.20	---	
71-43-2	Benzene	0.20	---	
10061-02-6	trans-1,3-Dichloropropene	0.20	---	
110-75-8	2-Chloroethylvinylether	1.0	---	
75-25-2	Bromoform	0.20	---	
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	---	
591-78-6	2-Hexanone	5.0	---	
127-18-4	Tetrachloroethene	0.20	---	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	---	
108-88-3	Toluene	0.20	---	
108-90-7	Chlorobenzene	0.20	---	
100-41-4	Ethylbenzene	0.20	---	
100-42-5	Styrene	0.20	---	
75-69-4	Trichlorofluoromethane	0.20	---	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	---	
179601-23-1	m,p-Xylene	0.40	---	
95-47-6	o-Xylene	0.20	---	
95-50-1	1,2-Dichlorobenzene	0.20	---	
541-73-1	1,3-Dichlorobenzene	0.20	---	
106-46-7	1,4-Dichlorobenzene	0.20	---	

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-18M-0813

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MATRIX SPIKE

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 18:20

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	---	
74-88-4	Iodomethane	1.0	---	
74-96-4	Bromoethane	0.20	---	
107-13-1	Acrylonitrile	1.0	---	
563-58-6	1,1-Dichloropropene	0.20	---	
74-95-3	Dibromomethane	0.20	---	
630-20-6	1,1,1,2-Tetrachloroethane	0.20	---	
96-12-8	1,2-Dibromo-3-chloropropane	0.50	---	
96-18-4	1,2,3-Trichloropropane	0.50	---	
110-57-6	trans-1,4-Dichloro-2-butene	1.0	---	
108-67-8	1,3,5-Trimethylbenzene	0.20	---	
95-63-6	1,2,4-Trimethylbenzene	0.20	---	
87-68-3	Hexachlorobutadiene	0.50	---	
106-93-4	1,2-Dibromoethane	0.20	---	
74-97-5	Bromochloromethane	0.20	---	
594-20-7	2,2-Dichloropropane	0.20	---	
142-28-9	1,3-Dichloropropane	0.20	---	
98-82-8	Isopropylbenzene	0.20	---	
103-65-1	n-Propylbenzene	0.20	---	
108-86-1	Bromobenzene	0.20	---	
95-49-8	2-Chlorotoluene	0.20	---	
106-43-4	4-Chlorotoluene	0.20	---	
98-06-6	tert-Butylbenzene	0.20	---	
135-98-8	sec-Butylbenzene	0.20	---	
99-87-6	4-Isopropyltoluene	0.20	---	
104-51-8	n-Butylbenzene	0.20	---	
120-82-1	1,2,4-Trichlorobenzene	0.50	---	
91-20-3	Naphthalene	0.50	---	
87-61-6	1,2,3-Trichlorobenzene	0.50	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	96.4%
Bromofluorobenzene	110%
d4-1,2-Dichlorobenzene	104%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-18M-0813

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MATRIX SPIKE DUP

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized:

Date Sampled: 08/14/13

Reported: 08/21/13

Date Received: 08/15/13

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 18:47

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	---	
74-83-9	Bromomethane	1.0	---	
75-01-4	Vinyl Chloride	0.20	---	
75-00-3	Chloroethane	0.20	---	
75-09-2	Methylene Chloride	1.0	---	
67-64-1	Acetone	5.0	---	
75-15-0	Carbon Disulfide	0.20	---	
75-35-4	1,1-Dichloroethene	0.20	---	
75-34-3	1,1-Dichloroethane	0.20	---	
156-60-5	trans-1,2-Dichloroethene	0.20	---	
156-59-2	cis-1,2-Dichloroethene	0.20	---	
67-66-3	Chloroform	0.20	---	
107-06-2	1,2-Dichloroethane	0.20	---	
78-93-3	2-Butanone	5.0	---	
71-55-6	1,1,1-Trichloroethane	0.20	---	
56-23-5	Carbon Tetrachloride	0.20	---	
108-05-4	Vinyl Acetate	0.20	---	
75-27-4	Bromodichloromethane	0.20	---	
78-87-5	1,2-Dichloropropane	0.20	---	
10061-01-5	cis-1,3-Dichloropropene	0.20	---	
79-01-6	Trichloroethene	0.20	---	
124-48-1	Dibromochloromethane	0.20	---	
79-00-5	1,1,2-Trichloroethane	0.20	---	
71-43-2	Benzene	0.20	---	
10061-02-6	trans-1,3-Dichloropropene	0.20	---	
110-75-8	2-Chloroethylvinylether	1.0	---	
75-25-2	Bromoform	0.20	---	
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	---	
591-78-6	2-Hexanone	5.0	---	
127-18-4	Tetrachloroethene	0.20	---	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	---	
108-88-3	Toluene	0.20	---	
108-90-7	Chlorobenzene	0.20	---	
100-41-4	Ethylbenzene	0.20	---	
100-42-5	Styrene	0.20	---	
75-69-4	Trichlorofluoromethane	0.20	---	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	---	
179601-23-1	m,p-Xylene	0.40	---	
95-47-6	o-Xylene	0.20	---	
95-50-1	1,2-Dichlorobenzene	0.20	---	
541-73-1	1,3-Dichlorobenzene	0.20	---	
106-46-7	1,4-Dichlorobenzene	0.20	---	

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MW-18M-0813

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MATRIX SPIKE DUP

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/20/13 18:47

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	---	
74-88-4	Iodomethane	1.0	---	
74-96-4	Bromoethane	0.20	---	
107-13-1	Acrylonitrile	1.0	---	
563-58-6	1,1-Dichloropropene	0.20	---	
74-95-3	Dibromomethane	0.20	---	
630-20-6	1,1,1,2-Tetrachloroethane	0.20	---	
96-12-8	1,2-Dibromo-3-chloropropane	0.50	---	
96-18-4	1,2,3-Trichloropropane	0.50	---	
110-57-6	trans-1,4-Dichloro-2-butene	1.0	---	
108-67-8	1,3,5-Trimethylbenzene	0.20	---	
95-63-6	1,2,4-Trimethylbenzene	0.20	---	
87-68-3	Hexachlorobutadiene	0.50	---	
106-93-4	1,2-Dibromoethane	0.20	---	
74-97-5	Bromochloromethane	0.20	---	
594-20-7	2,2-Dichloropropane	0.20	---	
142-28-9	1,3-Dichloropropane	0.20	---	
98-82-8	Isopropylbenzene	0.20	---	
103-65-1	n-Propylbenzene	0.20	---	
108-86-1	Bromobenzene	0.20	---	
95-49-8	2-Chlorotoluene	0.20	---	
106-43-4	4-Chlorotoluene	0.20	---	
98-06-6	tert-Butylbenzene	0.20	---	
135-98-8	sec-Butylbenzene	0.20	---	
99-87-6	4-Isopropyltoluene	0.20	---	
104-51-8	n-Butylbenzene	0.20	---	
120-82-1	1,2,4-Trichlorobenzene	0.50	---	
91-20-3	Naphthalene	0.50	---	
87-61-6	1,2,3-Trichlorobenzene	0.50	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	107%
d8-Toluene	95.6%
Bromofluorobenzene	107%
d4-1,2-Dichlorobenzene	102%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MB-081913A

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METHOD BLANK

Lab Sample ID: MB-081913A

QC Report No: XB32-AECOM

LIMS ID: 13-17083

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *JB*

Date Sampled: NA

Reported: 08/21/13

Date Received: NA

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 10:44

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MB-081913A

METHOD BLANK

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Lab Sample ID: MB-081913A

QC Report No: XB32-AECOM

LIMS ID: 13-17083

Project: GE

Matrix: Water

60237964-200.2

Date Analyzed: 08/19/13 10:44

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	95.9%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	104%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: MB-082013A

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METHOD BLANK

Lab Sample ID: MB-082013A

QC Report No: XB32-AECOM

LIMS ID: 13-17088

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized:

Date Sampled: NA

Reported: 08/21/13

Date Received: NA

Instrument/Analyst: NT2/LH

Sample Amount: 10.0 mL

Date Analyzed: 08/20/13 10:55

Purge Volume: 10.0 mL

CAS Number	Analyte	LOQ	Result	Q
74-87-3	Chloromethane	0.50	< 0.50	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.20	< 0.20	U
75-00-3	Chloroethane	0.20	< 0.20	U
75-09-2	Methylene Chloride	1.0	< 1.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.20	< 0.20	U
75-35-4	1,1-Dichloroethene	0.20	< 0.20	U
75-34-3	1,1-Dichloroethane	0.20	< 0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	< 0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	< 0.20	U
67-66-3	Chloroform	0.20	< 0.20	U
107-06-2	1,2-Dichloroethane	0.20	< 0.20	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.20	< 0.20	U
56-23-5	Carbon Tetrachloride	0.20	< 0.20	U
108-05-4	Vinyl Acetate	0.20	< 0.20	U
75-27-4	Bromodichloromethane	0.20	< 0.20	U
78-87-5	1,2-Dichloropropane	0.20	< 0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	< 0.20	U
79-01-6	Trichloroethene	0.20	< 0.20	U
124-48-1	Dibromochloromethane	0.20	< 0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	< 0.20	U
71-43-2	Benzene	0.20	< 0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	< 0.20	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.20	< 0.20	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.20	< 0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	< 0.20	U
108-88-3	Toluene	0.20	< 0.20	U
108-90-7	Chlorobenzene	0.20	< 0.20	U
100-41-4	Ethylbenzene	0.20	< 0.20	U
100-42-5	Styrene	0.20	< 0.20	U
75-69-4	Trichlorofluoromethane	0.20	< 0.20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	< 0.20	U
179601-23-1	m,p-Xylene	0.40	< 0.40	U
95-47-6	o-Xylene	0.20	< 0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	< 0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	< 0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	< 0.20	U

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

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Sample ID: MB-082013A

METHOD BLANK

Lab Sample ID: MB-082013A

LIMS ID: 13-17088

Matrix: Water

Date Analyzed: 08/20/13 10:55

QC Report No: XB32-AECOM

Project: GE

60237964-200.2

CAS Number	Analyte	LOQ	Result	Q
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Iodomethane	1.0	< 1.0	U
74-96-4	Bromoethane	0.20	< 0.20	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.20	< 0.20	U
74-95-3	Dibromomethane	0.20	< 0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	< 0.20	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	< 0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	< 0.50	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.20	< 0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	< 0.20	U
87-68-3	Hexachlorobutadiene	0.50	< 0.50	U
106-93-4	1,2-Dibromoethane	0.20	< 0.20	U
74-97-5	Bromochloromethane	0.20	< 0.20	U
594-20-7	2,2-Dichloropropane	0.20	< 0.20	U
142-28-9	1,3-Dichloropropane	0.20	< 0.20	U
98-82-8	Isopropylbenzene	0.20	< 0.20	U
103-65-1	n-Propylbenzene	0.20	< 0.20	U
108-86-1	Bromobenzene	0.20	< 0.20	U
95-49-8	2-Chlorotoluene	0.20	< 0.20	U
106-43-4	4-Chlorotoluene	0.20	< 0.20	U
98-06-6	tert-Butylbenzene	0.20	< 0.20	U
135-98-8	sec-Butylbenzene	0.20	< 0.20	U
99-87-6	4-Isopropyltoluene	0.20	< 0.20	U
104-51-8	n-Butylbenzene	0.20	< 0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	< 0.50	U
91-20-3	Naphthalene	0.50	< 0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	< 0.50	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	93.6%
Bromofluorobenzene	106%
d4-1,2-Dichlorobenzene	105%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-081913A

Page 1 of 2

LAB CONTROL SAMPLE

Lab Sample ID: LCS-081913A

QC Report No: XB32-AECOM

LIMS ID: 13-17083

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized:

Date Sampled: NA

Reported: 08/21/13

Date Received: NA

Instrument/Analyst LCS: NT2/LH

Sample Amount LCS: 10.0 mL

LCS: NT2/LH

LCS: 10.0 mL

Date Analyzed LCS: 08/19/13 09:50

Purge Volume LCS: 10.0 mL

LCS: 08/19/13 10:17

LCS: 10.0 mL

Analyte	LCS	Spike		LCSD	Spike		RPD
		Added-LCS	Recovery		Added-LCS	Recovery	
Chloromethane	8.83	10.0	88.3%	9.33	10.0	93.3%	5.5%
Bromomethane	8.42	10.0	84.2%	8.87	10.0	88.7%	5.2%
Vinyl Chloride	8.44	10.0	84.4%	8.89	10.0	88.9%	5.2%
Chloroethane	9.68	10.0	96.8%	10.9	10.0	109%	11.9%
Methylene Chloride	8.14	10.0	81.4%	8.89	10.0	88.9%	8.8%
Acetone	43.5	50.0	87.0%	45.1	50.0	90.2%	3.6%
Carbon Disulfide	8.72	10.0	87.2%	9.27	10.0	92.7%	6.1%
1,1-Dichloroethene	8.88	10.0	88.8%	9.59	10.0	95.9%	7.7%
1,1-Dichloroethane	8.72	10.0	87.2%	9.60	10.0	96.0%	9.6%
trans-1,2-Dichloroethene	8.21	10.0	82.1%	8.97	10.0	89.7%	8.8%
cis-1,2-Dichloroethene	8.02	10.0	80.2%	8.92	10.0	89.2%	10.6%
Chloroform	8.70	10.0	87.0%	9.42	10.0	94.2%	7.9%
1,2-Dichloroethane	8.79	10.0	87.9%	9.45	10.0	94.5%	7.2%
2-Butanone	40.5	50.0	81.0%	44.3	50.0	88.6%	9.0%
1,1,1-Trichloroethane	8.65	10.0	86.5%	9.28	10.0	92.8%	7.0%
Carbon Tetrachloride	10.5 Q	10.0	105%	11.0 Q	10.0	110%	4.7%
Vinyl Acetate	8.22	10.0	82.2%	8.93	10.0	89.3%	8.3%
Bromodichloromethane	9.52	10.0	95.2%	9.94	10.0	99.4%	4.3%
1,2-Dichloropropane	8.52	10.0	85.2%	9.10	10.0	91.0%	6.6%
cis-1,3-Dichloropropene	8.92	10.0	89.2%	9.49	10.0	94.9%	6.2%
Trichloroethene	8.81	10.0	88.1%	9.45	10.0	94.5%	7.0%
Dibromochloromethane	9.96	10.0	99.6%	10.8	10.0	108%	8.1%
1,1,2-Trichloroethane	7.93	10.0	79.3%	8.42	10.0	84.2%	6.0%
Benzene	8.70	10.0	87.0%	9.26	10.0	92.6%	6.2%
trans-1,3-Dichloropropene	9.03	10.0	90.3%	9.42	10.0	94.2%	4.2%
2-Chloroethylvinylether	7.62	10.0	76.2%	8.34	10.0	83.4%	9.0%
Bromoform	7.56	10.0	75.6%	8.05	10.0	80.5%	6.3%
4-Methyl-2-Pentanone (MIBK)	43.5	50.0	87.0%	46.2	50.0	92.4%	6.0%
2-Hexanone	41.4	50.0	82.8%	44.9	50.0	89.8%	8.1%
Tetrachloroethene	9.05	10.0	90.5%	9.92	10.0	99.2%	9.2%
1,1,2,2-Tetrachloroethane	8.31	10.0	83.1%	8.93	10.0	89.3%	7.2%
Toluene	8.34	10.0	83.4%	8.69	10.0	86.9%	4.1%
Chlorobenzene	8.57	10.0	85.7%	9.15	10.0	91.5%	6.5%
Ethylbenzene	8.89	10.0	88.9%	9.58	10.0	95.8%	7.5%
Styrene	9.13	10.0	91.3%	9.62	10.0	96.2%	5.2%
Trichlorofluoromethane	9.61	10.0	96.1%	9.70	10.0	97.0%	0.9%
1,1,2-Trichloro-1,2,2-trifluoroetha	8.94	10.0	89.4%	9.18	10.0	91.8%	2.6%
m,p-Xylene	18.3	20.0	91.5%	19.5	20.0	97.5%	6.3%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-081913A

Page 2 of 2

LAB CONTROL SAMPLE

Lab Sample ID: LCS-081913A

QC Report No: XB32-AECOM

LIMS ID: 13-17083

Project: GE

Matrix: Water

60237964-200.2

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
o-Xylene	9.12	10.0	91.2%	9.54	10.0	95.4%	4.5%
1,2-Dichlorobenzene	8.59	10.0	85.9%	9.04	10.0	90.4%	5.1%
1,3-Dichlorobenzene	8.64	10.0	86.4%	8.99	10.0	89.9%	4.0%
1,4-Dichlorobenzene	8.49	10.0	84.9%	8.81	10.0	88.1%	3.7%
Acrolein	26.7 Q	50.0	53.4%	29.5 Q	50.0	59.0%	10.0%
Iodomethane	8.28	10.0	82.8%	8.96	10.0	89.6%	7.9%
Bromoethane	8.77	10.0	87.7%	9.22	10.0	92.2%	5.0%
Acrylonitrile	8.31	10.0	83.1%	9.20	10.0	92.0%	10.2%
1,1-Dichloropropene	8.83	10.0	88.3%	9.66	10.0	96.6%	9.0%
Dibromomethane	8.92	10.0	89.2%	9.37	10.0	93.7%	4.9%
1,1,1,2-Tetrachloroethane	10.6	10.0	106%	11.1	10.0	111%	4.6%
1,2-Dibromo-3-chloropropane	9.86	10.0	98.6%	10.6	10.0	106%	7.2%
1,2,3-Trichloropropane	8.14	10.0	81.4%	8.69	10.0	86.9%	6.5%
trans-1,4-Dichloro-2-butene	9.25	10.0	92.5%	9.46	10.0	94.6%	2.2%
1,3,5-Trimethylbenzene	8.70	10.0	87.0%	9.28	10.0	92.8%	6.5%
1,2,4-Trimethylbenzene	8.78	10.0	87.8%	9.32	10.0	93.2%	6.0%
Hexachlorobutadiene	9.92	10.0	99.2%	9.39	10.0	93.9%	5.5%
1,2-Dibromoethane	8.24	10.0	82.4%	8.69	10.0	86.9%	5.3%
Bromochloromethane	9.05	10.0	90.5%	9.60	10.0	96.0%	5.9%
2,2-Dichloropropane	8.83	10.0	88.3%	9.48	10.0	94.8%	7.1%
1,3-Dichloropropane	8.47	10.0	84.7%	9.01	10.0	90.1%	6.2%
Isopropylbenzene	8.35	10.0	83.5%	9.19	10.0	91.9%	9.6%
n-Propylbenzene	8.36	10.0	83.6%	9.08	10.0	90.8%	8.3%
Bromobenzene	8.09	10.0	80.9%	8.70	10.0	87.0%	7.3%
2-Chlorotoluene	8.25	10.0	82.5%	8.93	10.0	89.3%	7.9%
4-Chlorotoluene	8.32	10.0	83.2%	8.91	10.0	89.1%	6.8%
tert-Butylbenzene	8.39	10.0	83.9%	9.00	10.0	90.0%	7.0%
sec-Butylbenzene	8.61	10.0	86.1%	9.04	10.0	90.4%	4.9%
4-Isopropyltoluene	8.78	10.0	87.8%	9.17	10.0	91.7%	4.3%
n-Butylbenzene	8.61	10.0	86.1%	8.56	10.0	85.6%	0.6%
1,2,4-Trichlorobenzene	10.2	10.0	102%	10.9	10.0	109%	6.6%
Naphthalene	11.4	10.0	114%	12.2	10.0	122%	6.8%
1,2,3-Trichlorobenzene	12.7 Q	10.0	127%	13.9 Q	10.0	139%	9.0%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	104%	101%
d8-Toluene	98.1%	97.2%
Bromofluorobenzene	105%	103%
d4-1,2-Dichlorobenzene	104%	102%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-082013A

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LAB CONTROL SAMPLE

Lab Sample ID: LCS-082013A


QC Report No: XB32-AECOM

LIMS ID: 13-17088

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: NA

Reported: 08/21/13

Date Received: NA

Instrument/Analyst LCS: NT2/LH

Sample Amount LCS: 10.0 mL

LCS D: NT2/LH

LCS D: 10.0 mL

Date Analyzed LCS: 08/20/13 10:28

Purge Volume LCS: 10.0 mL

LCS D: 08/20/13 11:27

LCS D: 10.0 mL

Analyte	LCS	Spike		LCS	LCS D	Spike		RPD
		Added-LCS	Recovery			Added-LCS D	Recovery	
Chloromethane	9.86	10.0	98.6%	9.89	10.0	98.9%	0.3%	
Bromomethane	9.19	10.0	91.9%	9.50	10.0	95.0%	3.3%	
Vinyl Chloride	9.23	10.0	92.3%	9.32	10.0	93.2%	1.0%	
Chloroethane	11.3 Q	10.0	113%	11.6 Q	10.0	116%	2.6%	
Methylene Chloride	9.37	10.0	93.7%	9.51	10.0	95.1%	1.5%	
Acetone	46.6	50.0	93.2%	50.2	50.0	100%	7.4%	
Carbon Disulfide	9.65	10.0	96.5%	10.1	10.0	101%	4.6%	
1,1-Dichloroethene	10.2	10.0	102%	10.7	10.0	107%	4.8%	
1,1-Dichloroethane	9.89	10.0	98.9%	10.2	10.0	102%	3.1%	
trans-1,2-Dichloroethene	9.12	10.0	91.2%	9.74	10.0	97.4%	6.6%	
cis-1,2-Dichloroethene	9.02	10.0	90.2%	9.29	10.0	92.9%	2.9%	
Chloroform	9.89	10.0	98.9%	10.1	10.0	101%	2.1%	
1,2-Dichloroethane	10.2	10.0	102%	10.4	10.0	104%	1.9%	
2-Butanone	44.2	50.0	88.4%	45.6	50.0	91.2%	3.1%	
1,1,1-Trichloroethane	9.93	10.0	99.3%	9.93	10.0	99.3%	0.0%	
Carbon Tetrachloride	12.1 Q	10.0	121%	12.0 Q	10.0	120%	0.8%	
Vinyl Acetate	9.20	10.0	92.0%	9.43	10.0	94.3%	2.5%	
Bromodichloromethane	10.6	10.0	106%	10.5	10.0	105%	0.9%	
1,2-Dichloropropane	9.64	10.0	96.4%	9.64	10.0	96.4%	0.0%	
cis-1,3-Dichloropropene	9.73	10.0	97.3%	9.69	10.0	96.9%	0.4%	
Trichloroethene	10.1	10.0	101%	10.2	10.0	102%	1.0%	
Dibromochloromethane	11.0	10.0	110%	11.1	10.0	111%	0.9%	
1,1,2-Trichloroethane	8.80	10.0	88.0%	8.66	10.0	86.6%	1.6%	
Benzene	9.86	10.0	98.6%	9.94	10.0	99.4%	0.8%	
trans-1,3-Dichloropropene	9.51	10.0	95.1%	9.13	10.0	91.3%	4.1%	
2-Chloroethylvinylether	7.65 Q	10.0	76.5%	7.25 Q	10.0	72.5%	5.4%	
Bromoform	8.04	10.0	80.4%	7.65	10.0	76.5%	5.0%	
4-Methyl-2-Pentanone (MIBK)	46.8	50.0	93.6%	46.7	50.0	93.4%	0.2%	
2-Hexanone	44.5	50.0	89.0%	44.4	50.0	88.8%	0.2%	
Tetrachloroethene	10.6	10.0	106%	10.7	10.0	107%	0.9%	
1,1,2,2-Tetrachloroethane	8.95	10.0	89.5%	8.75	10.0	87.5%	2.3%	
Toluene	9.05	10.0	90.5%	9.13	10.0	91.3%	0.9%	
Chlorobenzene	9.44	10.0	94.4%	9.59	10.0	95.9%	1.6%	
Ethylbenzene	9.85	10.0	98.5%	10.1	10.0	101%	2.5%	
Styrene	10.2	10.0	102%	10.4	10.0	104%	1.9%	
Trichlorofluoromethane	10.2	10.0	102%	10.5	10.0	105%	2.9%	
1,1,2-Trichloro-1,2,2-trifluoroethane	9.71	10.0	97.1%	9.85	10.0	98.5%	1.4%	
m,p-Xylene	20.4	20.0	102%	20.5	20.0	102%	0.5%	

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C

Sample ID: LCS-082013A

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LAB CONTROL SAMPLE

Lab Sample ID: LCS-082013A
LIMS ID: 13-17088
Matrix: Water

QC Report No: XB32-AECOM
Project: GE
60237964-200.2

Analyte	Spike		LCS		Spike		LCSD	
	LCS	Added-LCS	Recovery	LCSD	Added-LCSD	Recovery	RPD	
o-Xylene	10.1	10.0	101%	10.3	10.0	103%	2.0%	
1,2-Dichlorobenzene	9.87	10.0	98.7%	9.74	10.0	97.4%	1.3%	
1,3-Dichlorobenzene	9.56	10.0	95.6%	9.59	10.0	95.9%	0.3%	
1,4-Dichlorobenzene	9.50	10.0	95.0%	9.51	10.0	95.1%	0.1%	
Acrolein	34.1 Q	50.0	68.2%	36.1 Q	50.0	72.2%	5.7%	
Iodomethane	9.34	10.0	93.4%	9.63	10.0	96.3%	3.1%	
Bromoethane	9.73	10.0	97.3%	10.0	10.0	100%	2.7%	
Acrylonitrile	9.16	10.0	91.6%	9.06	10.0	90.6%	1.1%	
1,1-Dichloropropene	10.1	10.0	101%	10.3	10.0	103%	2.0%	
Dibromomethane	9.43	10.0	94.3%	9.72	10.0	97.2%	3.0%	
1,1,1,2-Tetrachloroethane	12.0 Q	10.0	120%	12.1 Q	10.0	121%	0.8%	
1,2-Dibromo-3-chloropropane	10.9	10.0	109%	10.8	10.0	108%	0.9%	
1,2,3-Trichloropropane	8.98	10.0	89.8%	8.67	10.0	86.7%	3.5%	
trans-1,4-Dichloro-2-butene	10.1	10.0	101%	10.2	10.0	102%	1.0%	
1,3,5-Trimethylbenzene	9.70	10.0	97.0%	9.77	10.0	97.7%	0.7%	
1,2,4-Trimethylbenzene	10.0	10.0	100%	9.87	10.0	98.7%	1.3%	
Hexachlorobutadiene	10.8	10.0	108%	11.2	10.0	112%	3.6%	
1,2-Dibromoethane	8.54	10.0	85.4%	8.29	10.0	82.9%	3.0%	
Bromochloromethane	9.73	10.0	97.3%	10.1	10.0	101%	3.7%	
2,2-Dichloropropane	9.79	10.0	97.9%	10.3	10.0	103%	5.1%	
1,3-Dichloropropane	8.89	10.0	88.9%	8.98	10.0	89.8%	1.0%	
Isopropylbenzene	9.29	10.0	92.9%	9.32	10.0	93.2%	0.3%	
n-Propylbenzene	9.30	10.0	93.0%	9.32	10.0	93.2%	0.2%	
Bromobenzene	8.89	10.0	88.9%	8.87	10.0	88.7%	0.2%	
2-Chlorotoluene	9.21	10.0	92.1%	9.11	10.0	91.1%	1.1%	
4-Chlorotoluene	9.18	10.0	91.8%	9.30	10.0	93.0%	1.3%	
tert-Butylbenzene	9.45	10.0	94.5%	9.40	10.0	94.0%	0.5%	
sec-Butylbenzene	9.60	10.0	96.0%	9.52	10.0	95.2%	0.8%	
4-Isopropyltoluene	9.87	10.0	98.7%	9.82	10.0	98.2%	0.5%	
n-Butylbenzene	9.76	10.0	97.6%	9.89	10.0	98.9%	1.3%	
1,2,4-Trichlorobenzene	11.1	10.0	111%	11.2	10.0	112%	0.9%	
Naphthalene	11.7	10.0	117%	11.4	10.0	114%	2.6%	
1,2,3-Trichlorobenzene	13.1 Q	10.0	131%	13.0 Q	10.0	130%	0.8%	

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	108%	106%
d8-Toluene	96.5%	97.1%
Bromofluorobenzene	106%	106%
d4-1,2-Dichlorobenzene	103%	104%

VOA SURROGATE RECOVERY SUMMARY



Matrix: Water

QC Report No: XB32-AECOM
 Project: GE
 60237964-200.2

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
XB32A	MW-18M-0813	10	110%	96.6%	103%	104%	0
XB32AMS	MW-18M-0813	10	105%	96.4%	110%	104%	0
XB32AMSD	MW-18M-0813	10	107%	95.6%	107%	102%	0
MB-081913A	Method Blank	10	101%	95.9%	102%	104%	0
LCS-081913A	Lab Control	10	104%	98.1%	105%	104%	0
LCSD-081913A	Lab Control Dup	10	101%	97.2%	103%	102%	0
XB32B	MW-18D-0813	10	106%	93.3%	106%	103%	0
XB32C	MW-19M-0813	10	108%	93.6%	105%	104%	0
XB32D	MW-20M-0813	10	107%	94.2%	101%	106%	0
XB32E	MW-21S-0813	10	108%	93.2%	105%	103%	0
XB32F	EPI-MW-2D-0813	10	108%	89.1%	102%	106%	0
XB32FDL	EPI-MW-2D-0813	10	107%	92.4%	109%	102%	0
MB-082013A	Method Blank	10	108%	93.6%	106%	105%	0
LCS-082013A	Lab Control	10	108%	96.5%	106%	103%	0
LCSD-082013A	Lab Control Dup	10	106%	97.1%	106%	104%	0
XB32G	EPI-MW-3S-0813	10	110%	92.5%	107%	105%	0
XB32H	EPI-MW-3D-0813	10	107%	94.6%	107%	104%	0
XB32I	EPI-MW-4S-0813	10	108%	91.3%	105%	104%	0
XB32J	EPI-MW-4D-0813	10	114%	93.6%	105%	104%	0
XB32K	MW-400-0813	10	110%	91.3%	102%	107%	0
XB32L	MW-140D-0813	10	112%	93.8%	105%	105%	0
XB32M	MW-210S-0813	10	111%	93.8%	101%	105%	0
XB32N	TB-0813	10	116%	94.0%	103%	105%	0

LCS/MB LIMITS

QC LIMITS

SW8260C

(DCE) = d4-1,2-Dichloroethane	(80-120)	(80-130)
(TOL) = d8-Toluene	(80-120)	(80-120)
(BFB) = Bromofluorobenzene	(80-120)	(80-120)
(DCB) = d4-1,2-Dichlorobenzene	(80-120)	(80-120)

Prep Method: SW5030B
 Log Number Range: 13-17082 to 13-17095

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 19-AUG-2013 09:12
 Lab File ID: cc0819.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0819 Quant Type: ISTD
 Method: /chem3/nt2.i/20130819.b/82600815L.m

COMPOUND	RRF / AMOUNT		RF10	CCAL	MIN	MAX		CURVE TYPE
	RRF	AMOUNT	RRF10	RRF10	RRF	%D / %DRIFT	%D / %DRIFT	
1 Dichlorodifluoromethane	0.63705		0.67957	0.67957	0.010	6.67473	20.00000	Averaged
2 Chloromethane	10.39804		10.00000	0.93683	0.100	3.98037	20.00000	Linear
3 Vinyl Chloride	0.95795		0.94893	0.94893	0.100	-0.94143	20.00000	Averaged
4 Bromomethane	0.40593		0.39767	0.39767	0.100	-2.03631	20.00000	Averaged
5 Chloroethane	11.72914		10.00000	0.49305	0.010	17.29137	20.00000	Linear
6 Trichlorofluoromethane	0.77376		0.85526	0.85526	0.010	10.53194	20.00000	Averaged
7 1,1-Dichloroethene	1.22230		1.27371	1.27371	0.100	4.20631	20.00000	Averaged
8 Carbon Disulfide	2.42751		2.48311	2.48311	0.010	2.29050	20.00000	Averaged
9 112Trichloro122Trifluoroeth	0.76028		0.78189	0.78189	0.010	2.84159	20.00000	Averaged
10 Iodomethane	1.12253		1.08341	1.08341	0.010	-3.48500	20.00000	Averaged
11 Bromoethane	0.52117		0.51823	0.51823	0.100	-0.56569	20.00000	Averaged
12 Acrolein	0.12260		0.06674	0.06674	0.000	-45.56051	20.00000	Averaged <-
13 Methylene Chloride	0.78068		0.74148	0.74148	0.010	-5.02018	20.00000	Averaged
14 Acetone	0.21697		0.20504	0.20504	0.001	-5.49844	20.00000	Averaged
15 Trans-1,2-Dichloroethene	0.76183		0.73465	0.73465	0.010	-3.56783	20.00000	Averaged
17 Methyl tert butyl ether	2.04111		1.95554	1.95554	0.100	-4.19250	20.00000	Averaged
18 1,1-Dichloroethane	1.33077		1.35430	1.35430	0.200	1.76830	20.00000	Averaged
19 Acrylonitrile	0.27266		0.26019	0.26019	0.001	-4.57280	20.00000	Averaged
20 Vinyl Acetate	1.07556		0.99698	0.99698	0.010	-7.30545	20.00000	Averaged
22 Cis-1,2-Dichloroethene	0.80613		0.76490	0.76490	0.010	-5.11548	20.00000	Averaged
23 2,2-Dichloropropane	0.87912		0.93722	0.93722	0.010	6.60849	20.00000	Averaged
24 Bromochloromethane	0.33489		0.34158	0.34158	0.050	1.99809	20.00000	Averaged
25 Chloroform	1.14699		1.16451	1.16451	0.200	1.52715	20.00000	Averaged
26 Carbon Tetrachloride	0.37067		0.44521	0.44521	0.100	20.10943	20.00000	Averaged <-
\$ 27 Dibromofluoromethane	0.59507		0.63114	0.63114	0.100	6.06056	20.00000	Averaged
28 1,1,1-Trichloroethane	1.04721		1.08157	1.08157	0.100	3.28127	20.00000	Averaged
29 2-Butanone	0.28900		0.26295	0.26295	0.001	-9.01331	20.00000	Averaged
30 1,1-Dichloropropene	0.48248		0.48224	0.48224	0.010	-0.05116	20.00000	Averaged
31 Benzene	1.42769		1.40645	1.40645	0.500	-1.48727	20.00000	Averaged
\$ 33 d4-1,2-Dichloroethane	0.77933		0.77684	0.77684	0.010	-0.31904	20.00000	Averaged
34 1,2-Dichloroethane	0.52759		0.51583	0.51583	0.100	-2.22761	20.00000	Averaged
36 Trichloroethene	0.35096		0.34794	0.34794	0.100	-0.86115	20.00000	Averaged
38 Dibromomethane	0.21752		0.20804	0.20804	0.010	-4.36008	20.00000	Averaged
39 1,2-Dichloropropane	0.37785		0.36159	0.36159	0.100	-4.30286	20.00000	Averaged
40 Bromodichloromethane	0.40643		0.43526	0.43526	0.100	7.09427	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 19-AUG-2013 09:12
 Lab File ID: cc0819.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0819 Quant Type: ISTD
 Method: /chem3/nt2.i/20130819.b/82600815L.m

COMPOUND	RRF / AMOUNT	RF10	CCAL		MIN		MAX		CURVE TYPE
			RRF10	RRF	%D	%DRIFT	%D	%DRIFT	
41 2-Chloroethyl Vinyl Ether	0.19901	0.16247	0.16247	0.000	-18.35782	20.00000	Averaged		
42 Cis 1,3-dichloropropene	0.47642	0.49422	0.49422	0.200	3.73609	20.00000	Averaged		
\$ 43 d8-Toluene	1.27187	1.28692	1.28692	0.010	1.18320	20.00000	Averaged		
44 Toluene	0.87782	0.83065	0.83065	0.400	-5.37325	20.00000	Averaged		
45 4-Methyl-2-Pentanone	0.14551	0.14119	0.14119	0.000	-2.97252	20.00000	Averaged		
46 Tetrachloroethene	0.31630	0.31204	0.31204	0.200	-1.34665	20.00000	Averaged		
47 Trans 1,3-Dichloropropene	0.43873	0.44186	0.44186	0.010	0.71378	20.00000	Averaged		
48 1,1,2-Trichloroethane	0.30017	0.27520	0.27520	0.100	-8.31604	20.00000	Averaged		
49 Chlorodibromomethane	0.25026	0.27400	0.27400	0.100	9.48417	20.00000	Averaged		
50 1,3-Dichloropropane	0.49719	0.43834	0.43834	0.100	-11.83642	20.00000	Averaged		
51 1,2-Dibromoethane	0.30312	0.27942	0.27942	0.010	-7.82065	20.00000	Averaged		
52 2-Hexanone	0.23496	0.20524	0.20524	0.010	-12.64929	20.00000	Averaged		
54 Chlorobenzene	0.97308	0.90137	0.90137	0.500	-7.36930	20.00000	Averaged		
55 Ethyl Benzene	0.51203	0.48632	0.48632	0.100	-5.02059	20.00000	Averaged		
56 1,1,1,2-Tetrachloroethane	0.28294	0.33114	0.33114	0.010	17.03332	20.00000	Averaged		
57 m,p-xylene	0.62070	0.60622	0.60622	0.300	-2.33321	20.00000	Averaged		
58 o-Xylene	0.65307	0.64699	0.64699	0.300	-0.93078	20.00000	Averaged		
59 Styrene	1.03116	1.01303	1.01303	0.300	-1.75774	20.00000	Averaged		
60 Bromoform	8.33059	10.00000	0.31187	0.010	-16.69411	20.00000	Linear		
61 Isopropyl Benzene	3.05629	2.71750	2.71750	0.010	-11.08514	20.00000	Averaged		
\$ 62 4-Bromofluorobenzene	0.58494	0.61200	0.61200	0.200	4.62616	20.00000	Averaged		
63 Bromobenzene	0.75588	0.64055	0.64055	0.010	-15.25780	20.00000	Averaged		
64 N-Propyl Benzene	3.70265	3.31400	3.31400	0.010	-10.49661	20.00000	Averaged		
65 1,1,2,2-Tetrachloroethane	0.82697	0.71470	0.71470	0.100	-13.57593	20.00000	Averaged		
66 2-Chloro Toluene	2.71008	2.37242	2.37242	0.010	-12.45927	20.00000	Averaged		
67 1,3,5-Trimethyl Benzene	2.56653	2.38621	2.38621	0.010	-7.02609	20.00000	Averaged		
68 1,2,3-Trichloropropane	0.25617	0.22063	0.22063	0.010	-13.87539	20.00000	Averaged		
69 Trans-1,4-Dichloro 2-Butene	0.25578	0.25752	0.25752	0.001	0.68033	20.00000	Averaged		
70 4-Chloro Toluene	2.49403	2.19443	2.19443	0.010	-12.01281	20.00000	Averaged		
71 T-Butyl Benzene	2.20116	1.97007	1.97007	0.010	-10.49833	20.00000	Averaged		
72 1,2,4-Trimethylbenzene	2.58960	2.42506	2.42506	0.010	-6.35383	20.00000	Averaged		
73 S-Butyl Benzene	3.24931	2.93527	2.93527	0.010	-9.66505	20.00000	Averaged		
74 4-Isopropyl Toluene	2.63649	2.45773	2.45773	0.010	-6.78033	20.00000	Averaged		
75 1,3-Dichlorobenzene	1.45148	1.28082	1.28082	0.600	-11.75776	20.00000	Averaged		
77 1,4-Dichlorobenzene	1.50013	1.31357	1.31357	0.500	-12.43630	20.00000	Averaged		

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 19-AUG-2013 09:12
 Lab File ID: cc0819.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0819 Quant Type: ISTD
 Method: /chem3/nt2.i/20130819.b/82600815L.m

COMPOUND	CCAL		MIN		MAX		CURVE TYPE
	RRF / AMOUNT	RF10	RRF10	RRF	%D / %DRIFT	%D / %DRIFT	
78 N-Butyl Benzene	2.57256	2.28082	2.28082	0.010	-11.34074	20.00000	Averaged
79 d4-1,2-Dichlorobenzene	0.87987	0.88375	0.88375	0.010	0.44099	20.00000	Averaged
80 1,2-Dichlorobenzene	1.32030	1.17153	1.17153	0.400	-11.26782	20.00000	Averaged
81 1,2-Dibromo 3-Chloropropane	0.09854	0.10351	0.10351	0.010	5.04070	20.00000	Averaged
83 Hexachloro 1,3-Butadiene	9.82644	10.00000	0.26919	0.010	-1.73556	20.00000	Linear
84 1,2,4-Trichlorobenzene	0.50364	0.51212	0.51212	0.010	1.68273	20.00000	Averaged
85 Naphthalene	0.98405	1.07086	1.07086	0.010	8.82197	20.00000	Averaged
86 1,2,3-Trichlorobenzene	0.26348	0.32471	0.32471	0.010	23.23767	20.00000	Averaged <-

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 20-AUG-2013 09:15
 Lab File ID: cc0820.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0820 Quant Type: ISTD
 Method: /chem3/nt2.i/20130820.b/82600815L.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	0.63705	0.67399	0.67399	0.010	5.79873	20.00000	Averaged
2 Chloromethane	10.21079	10.00000	0.91996	0.100	2.10792	20.00000	Linear
3 Vinyl Chloride	0.95795	0.92757	0.92757	0.100	-3.17065	20.00000	Averaged
4 Bromomethane	0.40593	0.40653	0.40653	0.100	0.14569	20.00000	Averaged
5 Chloroethane	12.35935	10.00000	0.51954	0.010	23.59345	20.00000	Linear <-
6 Trichlorofluoromethane	0.77376	0.84236	0.84236	0.010	8.86560	20.00000	Averaged
7 1,1-Dichloroethene	1.22230	1.25797	1.25797	0.100	2.91797	20.00000	Averaged
8 Carbon Disulfide	2.42751	2.45563	2.45563	0.010	1.15815	20.00000	Averaged
9 1,1,2-Trichloro-1,2,2-Trifluoroethane	0.76028	0.74581	0.74581	0.010	-1.90321	20.00000	Averaged
10 Iodomethane	1.12253	1.08491	1.08491	0.010	-3.35151	20.00000	Averaged
11 Bromoethane	0.52117	0.50646	0.50646	0.100	-2.82384	20.00000	Averaged
12 Acrolein	0.12260	0.08445	0.08445	0.000	-31.11266	20.00000	Averaged <-
13 Methylene Chloride	0.78068	0.74281	0.74281	0.010	-4.85038	20.00000	Averaged
14 Acetone	0.21697	0.20456	0.20456	0.001	-5.72003	20.00000	Averaged
15 Trans-1,2-Dichloroethene	0.76183	0.72123	0.72123	0.010	-5.32912	20.00000	Averaged
17 Methyl tert butyl ether	2.04111	1.88738	1.88738	0.100	-7.53170	20.00000	Averaged
18 1,1-Dichloroethane	1.33077	1.32816	1.32816	0.200	-0.19603	20.00000	Averaged
19 Acrylonitrile	0.27266	0.24501	0.24501	0.001	-10.13874	20.00000	Averaged
20 Vinyl Acetate	1.07556	0.95164	0.95164	0.010	-11.52134	20.00000	Averaged
22 Cis-1,2-Dichloroethene	0.80613	0.74430	0.74430	0.010	-7.67061	20.00000	Averaged
23 2,2-Dichloropropane	0.87912	0.90391	0.90391	0.010	2.81979	20.00000	Averaged
24 Bromochloromethane	0.33489	0.34321	0.34321	0.050	2.48609	20.00000	Averaged
25 Chloroform	1.14699	1.15481	1.15481	0.200	0.68176	20.00000	Averaged
26 Carbon Tetrachloride	0.37067	0.45639	0.45639	0.100	23.12495	20.00000	Averaged <-
27 Dibromofluoromethane	0.59507	0.62943	0.62943	0.100	5.77328	20.00000	Averaged
28 1,1,1-Trichloroethane	1.04721	1.08310	1.08310	0.100	3.42644	20.00000	Averaged
29 2-Butanone	0.28900	0.25864	0.25864	0.001	-10.50231	20.00000	Averaged
30 1,1-Dichloropropene	0.48248	0.47766	0.47766	0.010	-0.99925	20.00000	Averaged
31 Benzene	1.42769	1.39939	1.39939	0.500	-1.98213	20.00000	Averaged
33 d4-1,2-Dichloroethane	0.77933	0.80188	0.80188	0.010	2.89300	20.00000	Averaged
34 1,2-Dichloroethane	0.52759	0.54140	0.54140	0.100	2.61781	20.00000	Averaged
36 Trichloroethene	0.35096	0.34857	0.34857	0.100	-0.68125	20.00000	Averaged
38 Dibromomethane	0.21752	0.21014	0.21014	0.010	-3.39237	20.00000	Averaged
39 1,2-Dichloropropane	0.37785	0.36122	0.36122	0.100	-4.40142	20.00000	Averaged
40 Bromodichloromethane	0.40643	0.42929	0.42929	0.100	5.62531	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 20-AUG-2013 09:15
 Lab File ID: cc0820.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0820 Quant Type: ISTD
 Method: /chem3/nt2.i/20130820.b/82600815L.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
41 2-Chloroethyl Vinyl Ether	0.19901	0.14175	0.14175	0.000	-28.76976	20.00000	Averaged <-
42 Cis 1,3-dichloropropene	0.47642	0.46515	0.46515	0.200	-2.36576	20.00000	Averaged
43 d8-Toluene	1.27187	1.25080	1.25080	0.010	-1.65702	20.00000	Averaged
44 Toluene	0.87782	0.80879	0.80879	0.400	-7.86432	20.00000	Averaged
45 4-Methyl-2-Pentanone	0.14551	0.13742	0.13742	0.000	-5.56483	20.00000	Averaged
46 Tetrachloroethene	0.31630	0.31425	0.31425	0.200	-0.64993	20.00000	Averaged
47 Trans 1,3-Dichloropropene	0.43873	0.41792	0.41792	0.010	-4.74214	20.00000	Averaged
48 1,1,2-Trichloroethane	0.30017	0.25986	0.25986	0.100	-13.42835	20.00000	Averaged
49 Chlorodibromomethane	0.25026	0.28315	0.28315	0.100	13.13874	20.00000	Averaged
50 1,3-Dichloropropane	0.49719	0.44707	0.44707	0.100	-10.08122	20.00000	Averaged
51 1,2-Dibromoethane	0.30312	0.25410	0.25410	0.010	-16.17184	20.00000	Averaged
52 2-Hexanone	0.23496	0.20178	0.20178	0.010	-14.11953	20.00000	Averaged
54 Chlorobenzene	0.97308	0.91360	0.91360	0.500	-6.11171	20.00000	Averaged
55 Ethyl Benzene	0.51203	0.50807	0.50807	0.100	-0.77244	20.00000	Averaged
56 1,1,1,2-Tetrachloroethane	0.28294	0.34341	0.34341	0.010	21.36956	20.00000	Averaged <-
57 m,p-xylene	0.62070	0.63752	0.63752	0.300	2.70972	20.00000	Averaged
58 o-Xylene	0.65307	0.65964	0.65964	0.300	1.00738	20.00000	Averaged
59 Styrene	1.03116	1.05589	1.05589	0.300	2.39836	20.00000	Averaged
60 Bromoform	8.24198	10.00000	0.30855	0.010	-17.58015	20.00000	Linear
61 Isopropyl Benzene	3.05629	2.78871	2.78871	0.010	-8.75521	20.00000	Averaged
62 4-Bromofluorobenzene	0.58494	0.61708	0.61708	0.200	5.49494	20.00000	Averaged
63 Bromobenzene	0.75588	0.66241	0.66241	0.010	-12.36567	20.00000	Averaged
64 N-Propyl Benzene	3.70265	3.33600	3.33600	0.010	-9.90245	20.00000	Averaged
65 1,1,2,2-Tetrachloroethane	0.82697	0.72630	0.72630	0.100	-12.17252	20.00000	Averaged
66 2-Chloro Toluene	2.71008	2.43014	2.43014	0.010	-10.32944	20.00000	Averaged
67 1,3,5-Trimethyl Benzene	2.56653	2.43086	2.43086	0.010	-5.28636	20.00000	Averaged
68 1,2,3-Trichloropropane	0.25617	0.21977	0.21977	0.010	-14.21239	20.00000	Averaged
69 Trans-1,4-Dichloro 2-Butene	0.25578	0.25010	0.25010	0.001	-2.22304	20.00000	Averaged
70 4-Chloro Toluene	2.49403	2.27475	2.27475	0.010	-8.79232	20.00000	Averaged
71 T-Butyl Benzene	2.20116	1.99378	1.99378	0.010	-9.42140	20.00000	Averaged
72 1,2,4-Trimethylbenzene	2.58960	2.47543	2.47543	0.010	-4.40852	20.00000	Averaged
73 S-Butyl Benzene	3.24931	3.00857	3.00857	0.010	-7.40900	20.00000	Averaged
74 4-Isopropyl Toluene	2.63649	2.50131	2.50131	0.010	-5.12729	20.00000	Averaged
75 1,3-Dichlorobenzene	1.45148	1.34531	1.34531	0.600	-7.31451	20.00000	Averaged
77 1,4-Dichlorobenzene	1.50013	1.40021	1.40021	0.500	-6.66036	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt2.i Injection Date: 20-AUG-2013 09:15
 Lab File ID: cc0820.d Init. Cal. Date(s): 15-AUG-2013 15-AUG-2013
 Analysis Type: WATER Init. Cal. Times: 13:37 16:43
 Lab Sample ID: CC0820 Quant Type: ISTD
 Method: /chem3/nt2.i/20130820.b/82600815L.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIPT	MAX %D / %DRIPT	CURVE TYPE
78 N-Butyl Benzene	2.57256	2.43864	2.43864	0.010	-5.20572	20.00000	Averaged
\$ 79 d4-1,2-Dichlorobenzene	0.87987	0.93096	0.93096	0.010	5.80603	20.00000	Averaged
80 1,2-Dichlorobenzene	1.32030	1.27314	1.27314	0.400	-3.57190	20.00000	Averaged
81 1,2-Dibromo 3-Chloropropane	0.09854	0.10884	0.10884	0.010	10.45098	20.00000	Averaged
83 Hexachloro 1,3-Butadiene	10.67451	10.00000	0.29242	0.010	6.74508	20.00000	Linear
84 1,2,4-Trichlorobenzene	0.50364	0.53864	0.53864	0.010	6.94855	20.00000	Averaged
85 Naphthalene	0.98405	1.11921	1.11921	0.010	13.73528	20.00000	Averaged
86 1,2,3-Trichlorobenzene	0.26348	0.33874	0.33874	0.010	28.56439	20.00000	Averaged

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-18M-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB32A


QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 14:50

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	94.9%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-18D-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB32B


QC Report No: XB32-AECOM

LIMS ID: 13-17083

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 15:17

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	0.023	
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.6%
d8-Toluene	96.7%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-19M-0813
Page 1 of 1 **SAMPLE**

Lab Sample ID: XB32C

QC Report No: XB32-AECOM

LIMS ID: 13-17084

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *B*

Date Sampled: 08/15/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 15:45

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	0.045	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	97.7%
d8-Toluene	95.1%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-20M-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB32D


QC Report No: XB32-AECOM

LIMS ID: 13-17085

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 16:13

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	0.26	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	95.6%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-21S-0813

Page 1 of 1

SAMPLE

Lab Sample ID: XB32E

QC Report No: XB32-AECOM

LIMS ID: 13-17086

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AB*

Date Sampled: 08/14/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 16:40

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	1.4	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.7%
d8-Toluene	95.0%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: EPI-MW-2D-0813
Page 1 of 1 **SAMPLE**

Lab Sample ID: XB32F


QC Report No: XB32-AECOM

LIMS ID: 13-17087

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/13/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 17:08

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	1.6	
79-01-6	Trichloroethene	0.020	24	ES
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	95.8%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: EPI-MW-3S-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB32G

QC Report No: XB32-AECOM

LIMS ID: 13-17088

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AB*

Date Sampled: 08/13/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 17:36

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	0.26	
79-01-6	Trichloroethene	0.020	3.1	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	93.8%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: EPI-MW-3D-0813

Page 1 of 1

SAMPLE

Lab Sample ID: XB32H


QC Report No: XB32-AECOM

LIMS ID: 13-17089

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/13/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 18:03

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	0.058	
79-01-6	Trichloroethene	0.020	0.69	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.0%
d8-Toluene	95.3%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: EPI-MW-4S-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB32I

QC Report No: XB32-AECOM

LIMS ID: 13-17090

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: 08/13/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 18:31

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	0.046	
79-01-6	Trichloroethene	0.020	5.3	E
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	94.1%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: EPI-MW-4D-0813

Page 1 of 1

SAMPLE

Lab Sample ID: XB32J


QC Report No: XB32-AECOM

LIMS ID: 13-17091

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 18:59

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	0.025	
79-01-6	Trichloroethene	0.020	0.064	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.2%
d8-Toluene	95.8%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-400-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB32K


QC Report No: XB32-AECOM

LIMS ID: 13-17092

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/15/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 19:26

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	9.5	E
127-18-4	Tetrachloroethene	0.020	0.61	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.8%
d8-Toluene	94.4%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-140D-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB32L


QC Report No: XB32-AECOM

LIMS ID: 13-17093

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 19:54

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	0.040	
79-01-6	Trichloroethene	0.020	0.052	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	103%
d8-Toluene	95.8%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-210S-0813

Page 1 of 1

SAMPLE

Lab Sample ID: XB32M


QC Report No: XB32-AECOM

LIMS ID: 13-17094

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: 08/14/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 20:22

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	1.5	
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.1%
d8-Toluene	93.7%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: TB-0813
 Page 1 of 1 **SAMPLE**

Lab Sample ID: XB32N

QC Report No: XB32-AECOM

LIMS ID: 13-17095

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AD*

Date Sampled: 08/13/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 13:27

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	93.6%
d8-Toluene	95.3%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-18M-0813

Page 1 of 1

MATRIX SPIKE

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: 08/14/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst MS: NT7/PKC

Sample Amount MS: 10.0 mL

MSD: NT7/PKC

MSD: 10.0 mL

Date Analyzed MS: 08/19/13 20:49

Purge Volume MS: 10.0 mL

MSD: 08/19/13 21:17

MSD: 10.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Vinyl Chloride	< 0.020 U	0.898	1.00	89.8%	0.863	1.00	86.3%	4.0%
Trichloroethene	< 0.020 U	0.973	1.00	97.3%	0.953	1.00	95.3%	2.1%
Tetrachloroethene	< 0.020 U	0.992	1.00	99.2%	0.964	1.00	96.4%	2.9%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-18M-0813
 Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *AB*

Date Sampled: 08/14/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 20:49

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	---	
79-01-6	Trichloroethene	0.020	---	
127-18-4	Tetrachloroethene	0.020	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.1%
d8-Toluene	98.0%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MW-18M-0813

Page 1 of 1

MATRIX SPIKE DUP

Lab Sample ID: XB32A

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *B*

Date Sampled: 08/14/13

Reported: 08/20/13

Date Received: 08/15/13

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 21:17

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	---	
79-01-6	Trichloroethene	0.020	---	
127-18-4	Tetrachloroethene	0.020	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	97.6%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: MB-081913

Page 1 of 1

METHOD BLANK

Lab Sample ID: MB-081913

QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: *[Signature]*

Date Sampled: NA

Reported: 08/20/13

Date Received: NA

Instrument/Analyst: NT7/PKC

Sample Amount: 10.0 mL

Date Analyzed: 08/19/13 12:52

Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.020	< 0.020	U
79-01-6	Trichloroethene	0.020	< 0.020	U
127-18-4	Tetrachloroethene	0.020	< 0.020	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	95.4%

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260C-SIM Sample ID: LCS-081913

Page 1 of 1

LAB CONTROL SAMPLE

Lab Sample ID: LCS-081913


QC Report No: XB32-AECOM

LIMS ID: 13-17082

Project: GE

Matrix: Water

60237964-200.2

Data Release Authorized: 

Date Sampled: NA

Reported: 08/20/13

Date Received: NA

Instrument/Analyst LCS: NT7/PKC

Sample Amount LCS: 10.0 mL

LCSD: NT7/PKC

LCSD: 10.0 mL

Date Analyzed LCS: 08/19/13 11:56

Purge Volume LCS: 10.0 mL

LCSD: 08/19/13 12:25

LCSD: 10.0 mL

Analyte	LCS	Spike	LCS	LCSD	Spike	LCSD	RPD
		Added-LCS	Recovery		Added-LCSD	Recovery	
Vinyl Chloride	0.865	1.00	86.5%	0.830	1.00	83.0%	4.1%
Trichloroethene	0.958	1.00	95.8%	0.947	1.00	94.7%	1.2%
Tetrachloroethene	0.973	1.00	97.3%	0.941	1.00	94.1%	3.3%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	99.9%	98.4%
d8-Toluene	99.1%	98.6%

SW8260-SIM SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: XB32-AECOM
Project: GE
60237964-200.2

Client ID	DCE	TOL	TOT OUT
MB-081913	100%	95.4%	0
LCS-081913	99.9%	99.1%	0
LCSD-081913	98.4%	98.6%	0
MW-18M-0813	101%	94.9%	0
MW-18M-0813-MS	98.1%	98.0%	0
MW-18M-0813-MSD	101%	97.6%	0
MW-18D-0813	99.6%	96.7%	0
MW-19M-0813	97.7%	95.1%	0
MW-20M-0813	102%	95.6%	0
MW-21S-0813	99.7%	95.0%	0
EPI-MW-2D-0813	101%	95.8%	0
EPI-MW-3S-0813	101%	93.8%	0
EPI-MW-3D-0813	99.0%	95.3%	0
EPI-MW-4S-0813	101%	94.1%	0
EPI-MW-4D-0813	99.2%	95.8%	0
MW-400-0813	99.8%	94.4%	0
MW-140D-0813	103%	95.8%	0
MW-210S-0813	98.1%	93.7%	0
TB-0813	93.6%	95.3%	0

LCS/MB LIMITS QC LIMITS

(DCE) = d4-1,2-Dichloroethane (78-126) (80-129)
(TOL) = d8-Toluene (80-120) (80-120)

Prep Method: SW5030
Log Number Range: 13-17082 to 13-17095



Environment

Submitted to:
GE South Dawson Street
GE Capital Corporation

Submitted by:
AECOM
Pittsburgh, PA
60237964.300
September 2013

September 17, 2013

Limited Organic Data Validation Report

GE South Dawson Street
Groundwater Sampling
Groundwater and Aqueous QC Samples
Analytical Resources, Inc. Data
August 2013 (3rd Quarter 2013)

Prepared By Gregory A. Malzone
Project Chemist

Overview

The samples analyzed for the GE South Dawson Street 3rd quarter groundwater monitoring event of August 2013 are listed in the Table of Samples Analyzed (page 3). Limited data validation was performed on a total of thirty-three groundwater samples, including three field duplicates, and one trip blank.

Samples were analyzed by Analytical Resources, Inc. (ARI), of Tukwila, WA. The reviewed analysis was Volatile Organic Compounds (VOCs) in Water by SW-846 Method 8260C. The compounds tetrachloroethene, trichloroethene, and vinyl chloride were measured by SW-846 Method 8260 GC/MS in Selected Ion Monitoring (SIM) Mode.

The Analytical Limited Data Validation Checklist is presented as pages 4-10. Data were evaluated based method specifications and qualifiers were applied based on the validation criteria set forth in the *USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review*, document number USEPA-540-R-08-01, June 2008, with additional reference to *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review*, document number EPA 540/R-99-008, May 1999, as they applied to the methodology used. Field duplicate RPD review and applicable control limits were taken from the *USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, December 1996.

The following data components were reviewed during the limited data validation procedure:

Submitted Deliverables
Case Narratives (including laboratory flags)
Chain-of-Custody form(s) and sample integrity
Sample results, reporting detection limits, dilution factors
Holding times
Method blank results
Organic surrogate recoveries
LCS, LCSD (blank spike, blank spike duplicate) results
MS/MSD (matrix spike/matrix spike duplicate) recoveries
Continuing calibration verification results
Laboratory duplicate results
Field duplicate results (calculated RPDs)
Electronic data deliverable (EDD) query

Data Validation Qualifiers Assigned During this Review

The following USEPA-defined data qualifiers were assigned during this assessment.

J: The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximated and may be inaccurate or imprecise.

R: The data are unusable. The sample results are rejected due to serious deficiencies in the ability to meet quality control criteria. The presence or absence of the analyte cannot be verified.

Other Qualifiers Assigned During this Review

DNR: Do not report, an alternate, acceptable result is available.

ECR: The reported concentration exceeds the instrument calibration range; an alternate, acceptable result is available.

Overall Data Assessment

Precision, accuracy, method compliance, and completeness of the data set are determined to be acceptable for all methods reported. The thirty-four non-detect 2-chloroethylvinylether results were rejected because 2-chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample. All other data are suitable for their intended use with the qualifications and clarifications noted.

Data qualified with "DNR" or "ECR" qualifiers should not be used and are identified as not reportable in the project database. For all "DNR" and "ECR" qualified data, alternate acceptable results were available.

Refer to the Table of Qualified Analytical Results for a listing of the samples, analytes, and concentrations qualified (pages 11-16).

Table of Samples Analyzed
GE South Dawson Street - Groundwater Sampling Event
Groundwater and Aqueous QC Samples
Analytical Resources Inc. (ARI) Laboratory Reports XB31 and XB32
August 2013 (3rd Quarter 2013)

Matrix	Sample ID	Parent/QC	Sample Date	Sample Time	Lab SDG	Lab Sample ID
Groundwater	MW-1-0813		8/14/2013	13:35	XB31	XB31A
Groundwater	MW-3-0813		8/13/2013	13:30	XB31	XB31B
Groundwater	MW-4-0813		8/15/2013	12:25	XB31	XB31C
Groundwater	MW-5-0813		8/14/2013	12:55	XB31	XB31D
Groundwater	MW-6-0813		8/13/2013	16:40	XB31	XB31E
Groundwater	MW-7-0813		8/13/2013	12:40	XB31	XB31F
Groundwater	MW-8S-0813		8/13/2013	15:30	XB31	XB31G
Groundwater	MW-8M-0813		8/13/2013	16:15	XB31	XB31H
Groundwater	MW-10-0813		8/13/2013	17:10	XB31	XB31I
Groundwater	MW-11-0813		8/14/2013	15:00	XB31	XB31J
Groundwater	MW-12-0813		8/14/2013	17:25	XB31	XB31K
Groundwater	MW-13-0813		8/13/2013	17:20	XB31	XB31L
Groundwater	MW-14M-0813		8/14/2013	15:35	XB31	XB31M
Groundwater	MW-14D-0813		8/14/2013	16:15	XB31	XB31N
Groundwater	MW-15M-0813		8/14/2013	10:30	XB31	XB31O
Groundwater	MW-15D-0813		8/14/2013	9:50	XB31	XB31P
Groundwater	MW-16M-0813		8/14/2013	12:25	XB31	XB31Q
Groundwater	MW-16D-0813	MS/MSD	8/14/2013	11:50	XB31	XB31R
Groundwater	MW-17M-0813		8/14/2013	14:05	XB31	XB31S
Groundwater	MW-17D-0813		8/14/2013	13:50	XB31	XB31T
Groundwater	MW-18M-0813	MS/MSD	8/14/2013	16:05	XB32	XB32A
Groundwater	MW-18D-0813		8/14/2013	15:20	XB32	XB32B
Groundwater	MW-19M-0813		8/15/2013	11:30	XB32	XB32C
Groundwater	MW-20M-0813		8/14/2013	17:20	XB32	XB32D
Groundwater	MW-21S-0813		8/14/2013	9:00	XB32	XB32E
Groundwater	EPI-MW-2D-0813		8/13/2013	13:45	XB32	XB32F
Groundwater	EPI-MW-3S-0813		8/13/2013	12:00	XB32	XB32G
Groundwater	EPI-MW-3D-0813		8/13/2013	12:45	XB32	XB32H
Groundwater	EPI-MW-4S-0813		8/13/2013	15:15	XB32	XB32I
Groundwater	EPI-MW-4D-0813		8/14/2013	10:45	XB32	XB32J
Groundwater	MW-400-0813	MW-4-0813	8/15/2013	13:30	XB32	XB32K
Groundwater	MW-140D-0813	MW-14D-0813	8/14/2013	17:00	XB32	XB32L
Groundwater	MW-210S-0813	MW-21S-0813	8/14/2013	9:15	XB32	XB32M
Aqueous (QC)	TB-0813	trip blank	8/13/2013	—	XB32	XB32N

ANALYTICAL LIMITED DATA VALIDATION CHECKLIST

Project Name: GE South Dawson Street	Laboratory: Analytical Resources, Inc. of Tukwila, WA					
Project Reference: 3Q2013 Quarterly Groundwater Sampling	Sample Matrix: Groundwater and Aqueous QC Samples					
AECOM Project: 60237964-300	Sample Start Date: 08/13/2013					
Validator/Date Validated: Greg Malzone 09/17/2013 (completed)	Sample End Date: 08/15/2013					
Samples Analyzed: see Table of Samples Analyzed, GE South Dawson Street, Groundwater and Aqueous QC Samples, August 2013 (page 3).						
Parameters Reviewed: Volatile Organic Compounds (VOCs) in Water by SW-846 Method 8260C. The compounds tetrachloroethene, trichloroethene, and vinyl chloride were measured by SW-846 Method 8260 GC/MS in Selected Ion Monitoring (SIM) Mode. Refer to Chain of Custody records and laboratory case narrative comments for exact analyses requested.						
Laboratory Project ID/Sample Delivery Groups (SDGs): XB31 and XB32						
PRECISION, ACCURACY, METHOD COMPLIANCE, AND COMPLETENESS ASSESSMENT						
Precision:	X	Acceptable		Unacceptable	GAM	Initials
Comments: Precision is the measure of variability of individual sample measurements. Field precision was determined by comparison of field duplicate sample results for select methods and matrices. Laboratory precision was determined by examination of laboratory duplicate results. Evaluation of field and laboratory duplicates for precision was done using the Relative Percent Difference (RPD). The RPD is defined as the difference between two duplicate samples divided by the mean and expressed as a percent. RPD precision measurements were compared to EPA published and/or laboratory control-charted QC limits. No data points required qualification based on laboratory or field precision measurements. Overall field and laboratory precision were acceptable. Precision measurements are reviewed in items 17 and 21.						
Accuracy:	X	Acceptable		Unacceptable	GAM	Initials
Comments: Field accuracy, a measure of the sampling bias, was determined by reviewing trip blank results for evidence of contamination stemming from sample transport/bottle contamination. Laboratory accuracy, a measure of the system bias, was measured by evaluating laboratory blanks, laboratory control sample/laboratory control sample duplicate (LCS/LCSD), matrix spike/matrix spike duplicate (MS/MSD), and organic system monitoring compounds (surrogate) percent recoveries. LCS/LCSD recoveries demonstrated overall analytical performance. MS/MSD recoveries provided information on sample matrix interferences. System monitoring compound or surrogate recoveries measured system performance and organic extraction efficiency. These recoveries were compared to EPA published and/or laboratory control-charted QC limits. Thirty-four non-detect 2-chloroethylvinylether results were rejected because of poor matrix spike recoveries (see item 16). Several data points were qualified as estimates because of LCS recovery outliers (see item 15) and MS/MSD outliers (see item 16). Overall field and laboratory accuracy were acceptable. Accuracy measurements are reviewed in items 12, 14, 15, 16, and 20.						
Method Compliance:	X	Acceptable		Unacceptable	GAM	Initials
Comments: For this data set, method compliance was determined by evaluating sample integrity, holding time(s), and reporting limits against method specifications. Some VOC target analytes from select samples were designated as not reportable (AECOM ECR or DNR qualifier) due to high concentrations that exceeded the instrument calibration range (see item 6) or target analytes that were reported in more than one method for the same sample (see item 7). Several data points were qualified as estimates because of nonconforming continuing calibrations (see item 13). Overall method compliance was acceptable. Method compliance measurements are reviewed in items 4, 6, 7, 8, 11, 13, 18, 19, 20, and 22.						

ANALYTICAL LIMITED DATA VALIDATION CHECKLIST

Completeness:	X	Acceptable		Unacceptable	GAM	Initials
<p>Comments: Completeness is the overall ratio of the number of samples planned versus the number of samples with valid analyses. Completeness goals are set at 90-100%. Determination of completeness included a review of chain of custody records, laboratory analytical methods, and detection limits. Completeness also included 100% review of the laboratory sample data results, QC summary reports, and electronic data deliverable (EDD) query. The EDD query file was updated as described in item 23.</p> <p>The thirty-four non-detect 2-chloroethylvinylether results were rejected because 2-chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample. The matrix spikes for 2-chloroethylvinylether were poor or did not recover (see Item 16). All other data are suitable for their intended use with the qualifications and clarifications noted. Data qualified with "DNR" and "ECR" qualifiers did not affect data set completeness because alternate, acceptable results were available.</p> <p>Completeness of the data set was calculated to be 98.6% and is acceptable.</p>						
VALIDATION CRITERIA CHECK						
<p>The following USEPA-defined data validation qualifiers were assigned during this review.</p> <p>J: The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.</p> <p>UJ: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximated and may be inaccurate or imprecise.</p> <p>R: The data are unusable. The sample results are rejected due to serious deficiencies in the ability to meet quality control criteria. The presence or absence of the analyte cannot be verified.</p> <p>The following comments requiring qualification are in bold type. The other comments are of interest, but qualification of the samples was not necessary.</p> <p>Refer to the Table of Qualified Analytical Results for a listing of the samples, analytes, and concentrations qualified (pages 11-16).</p>						
1. Did the laboratory identify any non-conformances related to the analytical results?	X	Yes		No	GAM	Initials
<p>Comments: Laboratory-assigned laboratory flags were reviewed during the limited validation procedure. The following footnote was inserted by the laboratory.</p> <p>2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample. The thirty-four non-detect 2-chloroethylvinylether results were rejected (i.e., qualified "R") because of matrix interference with target compound quantitation.</p> <p>EPA SW-846 indicates that vinyl chloride and styrene may degrade in the presence of acid preservative.</p> <p>Data qualification, if any, related to the comments or assigned laboratory data flags are discussed in the following sections.</p>						
2. Were sample Chain-of-Custody (CoC) forms complete?	X	Yes		No	GAM	Initials
<p>Comments: The CoC records from field to laboratory were complete, and custody was maintained as evidenced by field and laboratory personnel signatures, date, and time of receipt.</p>						
3. Were all the analyses requested for the samples on the CoCs completed by the laboratory?	X	Yes		No	GAM	Initials
<p>Comments: All requested analyses as documented on original CoCs were completed.</p>						

ANALYTICAL LIMITED DATA VALIDATION CHECKLIST

4. Were samples received in good condition and at the appropriate temperature?	X	Yes		No	GAM	Initials
<p>Comments: Samples were received on ice, intact, and in good condition with cooler temperatures of 0.7° C to 1.9° C as noted on the Sample Condition Upon Receipt Forms provided. Samples received at less than 2° C were determined to be in acceptable condition since sample containers were intact and samples themselves were not frozen. No action is required other than to note this observation.</p>						
5. Were the reported analytical methods in compliance with WP/QAPP, permit, or COC?	X	Yes		No	GAM	Initials
<p>Comments: The reported methods meet those requested on the CoCs or as requested by the client, and the methods reported are in compliance with the parameters requested and the sample matrix.</p>						
6. Were detection limits in accordance with WP/QAPP, permit, or method?	X	Yes		No	GAM	Initials
<p>Comments: The reporting limits (RLs) are achievable by the quoted methods.</p> <p>Samples MW-14M-0813 and EPI-MW-2D-0813 required analysis at an initial five-fold dilution to bring the cis-1,2-dichloroethene concentration into the calibration range. The reporting limits were elevated appropriately for non-detect results.</p> <p>In cases where the VOC analytes were reported twice, once by method 8260C and once by method 8260 SIM, the data validator determined the most appropriate result to designate as reportable based on sample concentrations, reporting limits, QC data, and method knowledge. The VOC analytes were preferably reported from the method 8260 SIM analysis. In instances where VOC analytes exceeded instrument calibration range and/or saturated the instrument detector, alternate results from dilutions were available. Results that exceeded instrument calibration range and/or saturated the detector were designated with "ECR" qualifiers (Exceeded Calibration Range) and identified as non-reportable in the project database, because alternate, acceptable results for the same sample/compound were provided.</p>						
7. Do the laboratory reports include only those constituents requested to be reported for a specific analytical method?	X	Yes		No	GAM	Initials
<p>Comments: Only analytes applicable to the requested methods were reported.</p> <p>Analytes vinyl chloride, trichloroethene, and tetrachloroethene were reported in both the 8260C and 8260 SIM analyses for all samples. To avoid duplicate data queries from the database, the data validator determined the most appropriate result to designate as reportable based on sample results, QC data, and method knowledge.</p> <p>As a general rule, these analytes were preferably reported from the method 8260 SIM analysis because the RLs for this method are lower. However, if positive concentrations for these analytes exceeded instrument calibration range and/or saturated the detector in the 8260 SIM analysis, but were compliant in the 8260C full scan analysis, then the method 8260C results were chosen as the reportable results (see also item 6).</p> <p>Duplicate results not chosen as the reportable results were maintained in the project database but were designated with "DNR" qualifiers (Do Not Report) and identified as non-reportable because alternate, acceptable results were provided by another method.</p>						
8. Were sample holding times met?	X	Yes		No	GAM	Initials
<p>Comments: Method-required sample preparation and analytical holding times were met for all samples and analyses.</p> <p>The required holding time period for groundwater and aqueous QC samples were met as follows: 14 days from sample collection to analysis for SW-846 8260C and 8260 SIM analysis.</p>						

ANALYTICAL LIMITED DATA VALIDATION CHECKLIST

9. Were correct concentration units reported?	X	Yes		No	GAM	Initials																																										
Comments: Correct concentration units were reported. All data were reported as µg/L (ppb).																																																
10. Were the reporting requirements for flagged data met?	X	Yes		No	GAM	Initials																																										
Comments: All assigned laboratory flags were reviewed and evaluated during the limited validation process. Data validation qualifiers supersede any laboratory-assigned data flags.																																																
11. Were laboratory blank samples free of target analyte contamination?	X	Yes		No	GAM	Initials																																										
Comments: Laboratory blanks were free of target compound contamination at the reporting limits.																																																
12. Were trip blank, field blank, and/or equipment rinse blank samples free of target analyte contamination?	X	Yes		No	GAM	Initials																																										
Comments: The trip blank was free of target compound contamination at the reporting limits.																																																
13. Were instrument calibrations within method or data validation control limits?		Yes	X	No	GAM	Initials																																										
Comments: The VOC initial and continuing calibrations were within method specifications with the following exceptions.																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Calibration Date - Time</th> <th style="width: 10%;">Instrument ID</th> <th style="width: 20%;">Compound</th> <th style="width: 15%;">%Difference/Drift (±20% Limit)</th> <th style="width: 10%;">Qualification</th> <th style="width: 30%;">Affected Samples</th> </tr> </thead> <tbody> <tr> <td>08/16/2013 - 08:13</td> <td>NT2</td> <td>Bromoform</td> <td style="text-align: center;">-21.5</td> <td style="text-align: center;">UJ</td> <td>MW-1-0813, MW-3-0813, MW-4-0813, MW-5-0813, MW-6-0813, MW-7-0813, MW-8S-0813, MW-8M-0813</td> </tr> <tr> <td rowspan="3">08/19/2013 - 09:12</td> <td rowspan="3">NT2</td> <td>Acrolein</td> <td style="text-align: center;">-45.5</td> <td style="text-align: center;">UJ</td> <td rowspan="3">MW-10-0813, MW-11-0813, MW-12-0813, MW-13-0813, MW-14M-0813, MW-15M-0813, MW-15D-0813, MW-16M-0813, MW-16D-0813, MW-17M-0813, MW-17D-0813, MW-18M-0813, MW-18D-0813, MW-19M-0813, MW-20M-0813, MW-21S-0813, EPI-MW-2D-0813</td> </tr> <tr> <td>Carbon tetrachloride</td> <td style="text-align: center;">20.1</td> <td style="text-align: center;">ND - None</td> </tr> <tr> <td>1,2,3-Trichlorobenzene</td> <td style="text-align: center;">23.2</td> <td style="text-align: center;">ND - None</td> </tr> <tr> <td rowspan="5">08/20/2013 - 09:15</td> <td rowspan="5">NT2</td> <td>Acrolein</td> <td style="text-align: center;">-31.1</td> <td style="text-align: center;">UJ</td> <td rowspan="5">MW-14D-0813, EPI-MW-3S-0813, EPI-MW-3D-0813, EPI-MW-4S-0813, EPI-MW-4D-0813, MW-400-0813, MW-140D-0813, MW-210S-0813, TB-0813</td> </tr> <tr> <td>Carbon tetrachloride</td> <td style="text-align: center;">23.1</td> <td style="text-align: center;">ND - None</td> </tr> <tr> <td>Chloroethane</td> <td style="text-align: center;">23.6</td> <td style="text-align: center;">ND - None</td> </tr> <tr> <td>1,1,1,2-Tetrachloroethane</td> <td style="text-align: center;">21.4</td> <td style="text-align: center;">ND - None</td> </tr> <tr> <td>1,2,3-Trichlorobenzene</td> <td style="text-align: center;">28.5</td> <td style="text-align: center;">ND - None</td> </tr> </tbody> </table>							Calibration Date - Time	Instrument ID	Compound	%Difference/Drift (±20% Limit)	Qualification	Affected Samples	08/16/2013 - 08:13	NT2	Bromoform	-21.5	UJ	MW-1-0813, MW-3-0813, MW-4-0813, MW-5-0813, MW-6-0813, MW-7-0813, MW-8S-0813, MW-8M-0813	08/19/2013 - 09:12	NT2	Acrolein	-45.5	UJ	MW-10-0813, MW-11-0813, MW-12-0813, MW-13-0813, MW-14M-0813, MW-15M-0813, MW-15D-0813, MW-16M-0813, MW-16D-0813, MW-17M-0813, MW-17D-0813, MW-18M-0813, MW-18D-0813, MW-19M-0813, MW-20M-0813, MW-21S-0813, EPI-MW-2D-0813	Carbon tetrachloride	20.1	ND - None	1,2,3-Trichlorobenzene	23.2	ND - None	08/20/2013 - 09:15	NT2	Acrolein	-31.1	UJ	MW-14D-0813, EPI-MW-3S-0813, EPI-MW-3D-0813, EPI-MW-4S-0813, EPI-MW-4D-0813, MW-400-0813, MW-140D-0813, MW-210S-0813, TB-0813	Carbon tetrachloride	23.1	ND - None	Chloroethane	23.6	ND - None	1,1,1,2-Tetrachloroethane	21.4	ND - None	1,2,3-Trichlorobenzene	28.5	ND - None
Calibration Date - Time	Instrument ID	Compound	%Difference/Drift (±20% Limit)	Qualification	Affected Samples																																											
08/16/2013 - 08:13	NT2	Bromoform	-21.5	UJ	MW-1-0813, MW-3-0813, MW-4-0813, MW-5-0813, MW-6-0813, MW-7-0813, MW-8S-0813, MW-8M-0813																																											
08/19/2013 - 09:12	NT2	Acrolein	-45.5	UJ	MW-10-0813, MW-11-0813, MW-12-0813, MW-13-0813, MW-14M-0813, MW-15M-0813, MW-15D-0813, MW-16M-0813, MW-16D-0813, MW-17M-0813, MW-17D-0813, MW-18M-0813, MW-18D-0813, MW-19M-0813, MW-20M-0813, MW-21S-0813, EPI-MW-2D-0813																																											
		Carbon tetrachloride	20.1	ND - None																																												
		1,2,3-Trichlorobenzene	23.2	ND - None																																												
08/20/2013 - 09:15	NT2	Acrolein	-31.1	UJ	MW-14D-0813, EPI-MW-3S-0813, EPI-MW-3D-0813, EPI-MW-4S-0813, EPI-MW-4D-0813, MW-400-0813, MW-140D-0813, MW-210S-0813, TB-0813																																											
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		1,1,1,2-Tetrachloroethane	21.4	ND - None																																												
		1,2,3-Trichlorobenzene	28.5	ND - None																																												
Refer to the Table of Qualified Analytical Results for a listing of the samples, analytes, and concentrations qualified (pages 11-16).																																																
14. Were surrogate recoveries within control limits?	X	Yes		No	GAM	Initials																																										
Comments: Surrogate %Rs for organic analyses in the reported data were within data validation QC limits (80-120% for organics) for all samples, or were within laboratory control-charted QC limits for organic samples.																																																

ANALYTICAL LIMITED DATA VALIDATION CHECKLIST

15. Were laboratory control sample recoveries within control limits?		Yes	X	No	GAM	Initials
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Comments: Reported LCS and LCSD recoveries were within data validation QC limits (80-120% for organics) for all target compounds, or were within laboratory control-charted QC limits for organic target compounds with the following exceptions.

LCS/D ID	Compound	%Recoveries (80-20% Limits)	Qualification	Affected Samples
LCS-081613A	Bromoform	75.5 / 72.1	UJ	MW-1-0813, MW-3-0813, MW-4-0813, MW-5-0813, MW-6-0813, MW-7-0813, MW-8S-0813, MW-8M-0813
	1,2,3-Trichlorobenzene	124 / 132	ND - None	
	Naphthalene	120 / 125	ND - None	
LCS-081913A	Acrolein	53.5 / 59.0	UJ	MW-10-0813, MW-11-0813, MW-12-0813, MW-13-0813, MW-14M-0813, MW-15M-0813, MW-15D-0813, MW-16M-0813, MW-16D-0813, MW-17M-0813, MW-17D-0813, MW-18M-0813, MW-18D-0813, MW-19M-0813, MW-20M-0813, MW-21S-0813, EPI-MW-2D-0813
	Bromoform	75.6 / 80.5	UJ	
	1,1,2-Trichloroethane	79.3 / 84.2	UJ	
	1,2,3-Trichlorobenzene	127 / 139	ND - None	
	Naphthalene	114 / 122	ND - None	
LCS-082013A	Acrolein	68.2 / 72.2	UJ	MW-14D-0813, EPI-MW-3S-0813, EPI-MW-3D-0813, EPI-MW-4S-0813, EPI-MW-4D-0813, MW-400-0813, MW-140D-0813, MW-210S-0813, TB-0813
	Bromoform	80.4 / 76.5	UJ	
	1,1,1,2-Tetrachloroethane	120 / 121	ND - None	
	1,2,3-Trichlorobenzene	131 / 130	ND - None	

Refer to the Table of Qualified Analytical Results for a listing of the samples, analytes, and concentrations qualified (pages 11-16).

16. Were matrix spike recoveries within control limits?		Yes	X	No	GAM	Initials
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Comments: Samples MW-16D-0813 and MW-18M-0813 designated in the field to be processed as the QC samples (i.e., MS/MSD). The matrix spike recoveries were within data validation limits (70-130% for organics) with the following exceptions.

VOCS: The MW-16D-0813 MS/MSD recoveries for 2-chloroethylvinylether were less than the lower advisory limit of 70%, at 65.9%/68.5%. The MW-18M-0813 MS/MSD recoveries for 2-chloroethylvinylether did not recover (0%). ARI indicated that 2-chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample. Based on professional judgment, all 2-chloroethylvinylether were non-detect and were qualified "R," as rejected, because of matrix interference with compound quantitation.

The MW-16D-0813 MS and/or MSD recoveries for vinyl acetate, bromoform, acrolein, and trans-1,4-dichloro-2-butene were less than the lower advisory limit of 70%, but greater than 10%. The vinyl acetate, bromoform, acrolein, and trans-1,4-dichloro-2-butene results for sample MW-16D-0813 were non-detect and were qualified "UJ," as estimates, because of low bias attributable to matrix effects.

The MW-18M-0813 MS recoveries for bromoform and acrolein were less than the lower advisory limit of 70%, but greater than 10%. The bromoform and acrolein results for sample MW-18M-0813 were non-detect and were qualified "UJ," as estimates, because of low bias attributable to matrix effects.

ANALYTICAL LIMITED DATA VALIDATION CHECKLIST

Continued from item 16 above.

The MW-18M-0813 MS/MSD recoveries for 1,2,3-trichlorobenzene were greater than or equal to the upper advisory limit of 130%. The 1,2,3-trichlorobenzene result for sample MW-18M-0813 was non-detect. No data qualification was required in response to the high bias attributable to matrix effects.

Refer to the Table of Qualified Analytical Results for a listing of the samples, analytes, and concentrations qualified (pages 11-16).

17. Were duplicate RPDs and/or serial dilution %Ds within control limits?	X	Yes		No	GAM	Initials
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Comments: Laboratory RPDs for target analytes in the LCS/LCSD and MS/MSD were within laboratory QC limits of 0-30% for organic analytes. Serial Dilution %D data for metals analysis is not applicable for this level of limited data validation or for the reported method.

18. Were organic system performance criteria met?	NA	Yes	NA	No	GAM	Initials
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Comments: Not applicable for this level of limited data validation – Organic system performance data were not supplied in analytical laboratory reports and were therefore not included in this data review.

19. Were internal standards within method criteria for GC/MS sample analyses?	NA	Yes	NA	No	GAM	Initials
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Comments: Not applicable for this level of limited data validation.

20. Were inorganic system performance criteria met?	NA	Yes	NA	No	GAM	Initials
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Comments: Not applicable for this level of limited data validation.

21. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results.	X	Yes		No	GAM	Initials
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Duplicate Sample No.	MW-14D-0813	Primary Sample No.	MW-140D-0813
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Duplicate Sample No.	MW-21S-0813	Primary Sample No.	MW-210S-0813
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Duplicate Sample No.	MW-4-0813	Primary Sample No.	MW-400-0813
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ANALYTICAL LIMITED DATA VALIDATION CHECKLIST

Comments: The VOC results for the primary and field duplicate samples were non-detect with the exception of those listed in the table below. All RPDs were less than the advisory limit of 30% for aqueous samples. Field sampling/laboratory precision and sample homogeneity were acceptable. No data qualifications were required.

The following RPDs were calculated.

Parameter	MW-14D-0813		MW-140D-0813		RPD (%)
1,1-Dichloroethane	0.68	µg/L	0.54	µg/L	23
cis-1,2-Dichloroethene	1.0	µg/L	0.85	µg/L	16
Trichloroethene (SIM)	0.058	µg/L	0.040	µg/L	37*
Vinyl chloride (SIM)	0.050	µg/L	0.052	µg/L	3.9
Parameter	MW-21S-0813		MW-210S-0813		RPD (%)
cis-1,2-Dichloroethene	0.53	µg/L	0.49	µg/L	7.8
Trichloroethene (SIM)	1.4	µg/L	1.5	µg/L	6.9
Parameter	MW-4-0813		MW-400-0813		RPD (%)
1,1-Dichloroethene	1.4	µg/L	1.4	µg/L	0
1,1-Dichloroethane	2.2	µg/L	2.2	µg/L	0
1,1,1-Trichloroethane	3.3	µg/L	3.5	µg/L	5.9
Trichloroethene	10	µg/L	10	µg/L	0
Tetrachloroethene (SIM)	0.64	µg/L	0.61	µg/L	1.5

*: The difference between the parent and field duplicate results was less than the reporting limit for results less than five times the reporting limit. Variation of this magnitude is acceptable.

22. Were qualitative/quantitative criteria for organic target analyte identification met?	NA	Yes	NA	No	GAM	Initials
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Comments: Not applicable for this level of limited data validation – Chromatograms and quantitation reports were not supplied in the analytical laboratory reports and were therefore not included in this data review. No identification/quantitation flags were assigned by the laboratory.

23. Were 100% of the EDD concentrations and reporting limits compared to the hardcopy data reports?	X	Yes		No	GAM	Initials
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Comments: During the limited validation procedure, 100% of the positive sample concentrations and 100% of the RLs for project samples were compared to hardcopy laboratory reports. The EDD entries were resolved with the hardcopy data results and corrected as necessary for significant figures. According to validation protocol, the hardcopy data report was accepted as the correct reference.

24. General Comments: Data were evaluated based method specifications and qualifiers were applied based on the validation criteria set forth in the *USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review*, document number USEPA-540-R-08-01, June 2008, with additional reference to *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review*, document number EPA 540/R-99-008, May 1999, as they applied to the methodology used. Field duplicate RPD review and applicable control limits were taken from the *USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, December 1996.

Refer to the Table of Qualified Analytical Results for a listing of the samples, analytes, and concentrations qualified (pages 11-16).

Table of Qualified Analytical Results
GE South Dawson Street - Groundwater Sampling Event
Groundwater and Aqueous QC Samples
Analytical Resources Inc. (ARI) Laboratory Reports XB31 and XB32
August 2013 (3rd Quarter 2013)

Sample ID	Lab ID	Method	Sequence	Analyte	Concentration		Qualifier	Reason Code/Comment	
Qualified and Non-reportable (DNR) Groundwater Data:									
MW-1-0813	XB31A	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-1-0813	XB31A	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	c, l
MW-1-0813	XB31A	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-1-0813	XB31A	SW8260 SIM	Initial 1:1	Trichloroethene		7.9 E	µg/L	DNR, ECR	use 8260C result
MW-1-0813	XB31A	SW8260C	Initial 1:1	Tetrachloroethene		1.0	µg/L	DNR	use 8260 SIM result
MW-3-0813	XB31B	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-3-0813	XB31B	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	c, l
MW-3-0813	XB31B	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-3-0813	XB31B	SW8260C	Initial 1:1	Trichloroethene		0.55	µg/L	DNR	use 8260 SIM result
MW-3-0813	XB31B	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-4-0813	XB31C	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-4-0813	XB31C	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	c, l
MW-4-0813	XB31C	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-4-0813	XB31C	SW8260 SIM	Initial 1:1	Trichloroethene		9.6 E	µg/L	DNR, ECR	use 8260C result
MW-4-0813	XB31C	SW8260C	Initial 1:1	Tetrachloroethene		0.71	µg/L	DNR	use 8260 SIM result
MW-5-0813	XB31D	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-5-0813	XB31D	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	c, l
MW-5-0813	XB31D	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-5-0813	XB31D	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-5-0813	XB31D	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-6-0813	XB31E	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-6-0813	XB31E	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	c, l
MW-6-0813	XB31E	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-6-0813	XB31E	SW8260C	Initial 1:1	Trichloroethene		0.60	µg/L	DNR	use 8260 SIM result
MW-6-0813	XB31E	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-7-0813	XB31F	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-7-0813	XB31F	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	c, l
MW-7-0813	XB31F	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-7-0813	XB31F	SW8260C	Initial 1:1	Trichloroethene		3.7	µg/L	DNR	use 8260 SIM result
MW-7-0813	XB31F	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-8S-0813	XB31G	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-8S-0813	XB31G	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	c, l
MW-8S-0813	XB31G	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-8S-0813	XB31G	SW8260 SIM	Initial 1:1	Trichloroethene		8.8 E	µg/L	DNR, ECR	use 8260C result
MW-8S-0813	XB31G	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-8M-0813	XB31H	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-8M-0813	XB31H	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	c, l
MW-8M-0813	XB31H	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-8M-0813	XB31H	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-8M-0813	XB31H	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-10-0813	XB31I	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-10-0813	XB31I	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	l

Table of Qualified Analytical Results
GE South Dawson Street - Groundwater Sampling Event
Groundwater and Aqueous QC Samples
Analytical Resources Inc. (ARI) Laboratory Reports XB31 and XB32
August 2013 (3rd Quarter 2013)

Sample ID	Lab ID	Method	Sequence	Analyte	Concentration		Qualifier	Reason Code/Comment	
MW-10-0813	XB31I	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-10-0813	XB31I	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-10-0813	XB31I	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-10-0813	XB31I	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-10-0813	XB31I	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-11-0813	XB31J	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-11-0813	XB31J	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I
MW-11-0813	XB31J	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-11-0813	XB31J	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-11-0813	XB31J	SW8260C	Initial 1:1	Vinyl Chloride		0.26	µg/L	DNR	use 8260 SIM result
MW-11-0813	XB31J	SW8260 SIM	Initial 1:1	Trichloroethene		7.9 E	µg/L	DNR, ECR	use 8260C result
MW-11-0813	XB31J	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-12-0813	XB31K	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-12-0813	XB31K	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I
MW-12-0813	XB31K	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-12-0813	XB31K	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-12-0813	XB31K	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-12-0813	XB31K	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-12-0813	XB31K	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-13-0813	XB31L	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-13-0813	XB31L	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I
MW-13-0813	XB31L	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-13-0813	XB31L	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-13-0813	XB31L	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-13-0813	XB31L	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-13-0813	XB31L	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-14M-0813	XB31M	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-14M-0813	XB31M	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I
MW-14M-0813	XB31M	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-14M-0813	XB31M	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-14M-0813	XB31M	SW8260C	Initial 1:1	Vinyl Chloride		1.2	µg/L	DNR	use 8260 SIM result
MW-14M-0813	XB31M	SW8260C	Initial 1:1	cis-1,2-Dichloroethene		120 E	µg/L	DNR, ECR	use 1:5 8260C result
MW-14M-0813	XB31M	SW8260 SIM	Initial 1:1	Trichloroethene		52 ES	µg/L	DNR, ECR	use 1:1 8260C result
MW-14M-0813	XB31M	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-14M-0813	XB31M	SW8260C	Reanal 1:5	Vinyl Chloride		1.2	µg/L	DNR	use 1:1 8260C result
MW-14M-0813	XB31M	SW8260C	Reanal 1:5	1,1-Dichloroethene		14	µg/L	DNR	use 1:1 8260C result
MW-14M-0813	XB31M	SW8260C	Reanal 1:5	1,1-Dichloroethane		11	µg/L	DNR	use 1:1 8260C result
MW-14M-0813	XB31M	SW8260C	Reanal 1:5	trans-1,2-Dichloroethene		69	µg/L	DNR	use 1:1 8260C result
MW-14M-0813	XB31M	SW8260C	Reanal 1:5	Trichloroethene		61	µg/L	DNR	use 1:1 8260C result
MW-14M-0813	XB31M	SW8260C	Reanal 1:5	All Non-detect Compounds	<	ND U	µg/L	DNR	use 1:1 8260C results
MW-14D-0813	XB31N	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q

Table of Qualified Analytical Results
GE South Dawson Street - Groundwater Sampling Event
Groundwater and Aqueous QC Samples
Analytical Resources Inc. (ARI) Laboratory Reports XB31 and XB32
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Sample ID	Lab ID	Method	Sequence	Analyte	Concentration		Qualifier	Reason Code/Comment
MW-14D-0813	XB31N	SW8260C	Initial 1:1	Bromoform	< 0.20 U	µg/L	UJ	I
MW-14D-0813	XB31N	SW8260C	Initial 1:1	Acrolein	< 5.0 U	µg/L	UJ	c, I
MW-14D-0813	XB31N	SW8260C	Initial 1:1	Vinyl Chloride	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-14D-0813	XB31N	SW8260C	Initial 1:1	Trichloroethene	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-14D-0813	XB31N	SW8260C	Initial 1:1	Tetrachloroethene	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-15M-0813	XB31O	SW8260C	Initial 1:1	2-Chloroethylvinylether	< 1.0 U	µg/L	R	m, q
MW-15M-0813	XB31O	SW8260C	Initial 1:1	1,1,2-Trichloroethane	< 0.20 U	µg/L	UJ	I
MW-15M-0813	XB31O	SW8260C	Initial 1:1	Bromoform	< 0.20 U	µg/L	UJ	I
MW-15M-0813	XB31O	SW8260C	Initial 1:1	Acrolein	< 5.0 U	µg/L	UJ	c, I
MW-15M-0813	XB31O	SW8260C	Initial 1:1	Vinyl Chloride	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-15M-0813	XB31O	SW8260 SIM	Initial 1:1	Trichloroethene	43 ES	µg/L	DNR, ECR	use 8260C result
MW-15M-0813	XB31O	SW8260C	Initial 1:1	Tetrachloroethene	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-15D-0813	XB31P	SW8260C	Initial 1:1	2-Chloroethylvinylether	< 1.0 U	µg/L	R	m, q
MW-15D-0813	XB31P	SW8260C	Initial 1:1	1,1,2-Trichloroethane	< 0.20 U	µg/L	UJ	I
MW-15D-0813	XB31P	SW8260C	Initial 1:1	Bromoform	< 0.20 U	µg/L	UJ	I
MW-15D-0813	XB31P	SW8260C	Initial 1:1	Acrolein	< 5.0 U	µg/L	UJ	c, I
MW-15D-0813	XB31P	SW8260C	Initial 1:1	Vinyl Chloride	0.72	µg/L	DNR	use 8260 SIM result
MW-15D-0813	XB31P	SW8260 SIM	Initial 1:1	Trichloroethene	35 ES	µg/L	DNR, ECR	use 8260C result
MW-15D-0813	XB31P	SW8260C	Initial 1:1	Tetrachloroethene	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-16M-0813	XB31Q	SW8260C	Initial 1:1	2-Chloroethylvinylether	< 1.0 U	µg/L	R	m, q
MW-16M-0813	XB31Q	SW8260C	Initial 1:1	1,1,2-Trichloroethane	< 0.20 U	µg/L	UJ	I
MW-16M-0813	XB31Q	SW8260C	Initial 1:1	Bromoform	< 0.20 U	µg/L	UJ	I
MW-16M-0813	XB31Q	SW8260C	Initial 1:1	Acrolein	< 5.0 U	µg/L	UJ	c, I
MW-16M-0813	XB31Q	SW8260C	Initial 1:1	Vinyl Chloride	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-16M-0813	XB31Q	SW8260C	Initial 1:1	Trichloroethene	< 0.20 U	µg/L	DNR	use 8260C result
MW-16M-0813	XB31Q	SW8260C	Initial 1:1	Tetrachloroethene	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-16D-0813	XB31R	SW8260C	Initial 1:1	2-Chloroethylvinylether	< 1.0 U	µg/L	R	m, q
MW-16D-0813	XB31R	SW8260C	Initial 1:1	1,1,2-Trichloroethane	< 0.20 U	µg/L	UJ	I
MW-16D-0813	XB31R	SW8260C	Initial 1:1	Bromoform	< 0.20 U	µg/L	UJ	I, m
MW-16D-0813	XB31R	SW8260C	Initial 1:1	Acrolein	< 5.0 U	µg/L	UJ	c, I, m
MW-16D-0813	XB31R	SW8260C	Initial 1:1	Vinyl acetate	< 0.20 U	µg/L	UJ	m
MW-16D-0813	XB31R	SW8260C	Initial 1:1	trans-1,4-Dichloro-2-butene	< 1.0 U	µg/L	UJ	m
MW-16D-0813	XB31R	SW8260C	Initial 1:1	Vinyl Chloride	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-16D-0813	XB31R	SW8260C	Initial 1:1	Trichloroethene	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-16D-0813	XB31R	SW8260C	Initial 1:1	Tetrachloroethene	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-17M-0813	XB31S	SW8260C	Initial 1:1	2-Chloroethylvinylether	< 1.0 U	µg/L	R	m, q
MW-17M-0813	XB31S	SW8260C	Initial 1:1	1,1,2-Trichloroethane	< 0.20 U	µg/L	UJ	I
MW-17M-0813	XB31S	SW8260C	Initial 1:1	Bromoform	< 0.20 U	µg/L	UJ	I
MW-17M-0813	XB31S	SW8260C	Initial 1:1	Acrolein	< 5.0 U	µg/L	UJ	c, I
MW-17M-0813	XB31S	SW8260C	Initial 1:1	Vinyl Chloride	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-17M-0813	XB31S	SW8260C	Initial 1:1	Trichloroethene	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-17M-0813	XB31S	SW8260C	Initial 1:1	Tetrachloroethene	< 0.20 U	µg/L	DNR	use 8260 SIM result
MW-17D-0813	XB31T	SW8260C	Initial 1:1	2-Chloroethylvinylether	< 1.0 U	µg/L	R	m, q

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Groundwater and Aqueous QC Samples
Analytical Resources Inc. (ARI) Laboratory Reports XB31 and XB32
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Sample ID	Lab ID	Method	Sequence	Analyte	Concentration		Qualifier	Reason Code/Comment	
					<	µg/L			
MW-17D-0813	XB31T	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I
MW-17D-0813	XB31T	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-17D-0813	XB31T	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-17D-0813	XB31T	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-17D-0813	XB31T	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-17D-0813	XB31T	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-18M-0813	XB32A	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-18M-0813	XB32A	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I
MW-18M-0813	XB32A	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I, m
MW-18M-0813	XB32A	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I, m
MW-18M-0813	XB32A	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-18M-0813	XB32A	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-18M-0813	XB32A	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-18D-0813	XB32B	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-18D-0813	XB32B	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I
MW-18D-0813	XB32B	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-18D-0813	XB32B	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-18D-0813	XB32B	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-18D-0813	XB32B	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-18D-0813	XB32B	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-19M-0813	XB32C	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-19M-0813	XB32C	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I
MW-19M-0813	XB32C	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-19M-0813	XB32C	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-19M-0813	XB32C	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-19M-0813	XB32C	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-19M-0813	XB32C	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-20M-0813	XB32D	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-20M-0813	XB32D	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I
MW-20M-0813	XB32D	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-20M-0813	XB32D	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-20M-0813	XB32D	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-20M-0813	XB32D	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-20M-0813	XB32D	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-21S-0813	XB32E	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-21S-0813	XB32E	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I
MW-21S-0813	XB32E	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-21S-0813	XB32E	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-21S-0813	XB32E	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-21S-0813	XB32E	SW8260C	Initial 1:1	Trichloroethene		1.6	µg/L	DNR	use 8260 SIM result
MW-21S-0813	XB32E	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
EPI-MW-2D-0813	XB32F	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
EPI-MW-2D-0813	XB32F	SW8260C	Initial 1:1	1,1,2-Trichloroethane	<	0.20 U	µg/L	UJ	I

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Groundwater and Aqueous QC Samples
Analytical Resources Inc. (ARI) Laboratory Reports XB31 and XB32
August 2013 (3rd Quarter 2013)

Sample ID	Lab ID	Method	Sequence	Analyte	Concentration		Qualifier	Reason Code/Comment
EPI-MW-2D-0813	XB32F	SW8260C	Initial 1:1	Bromoform	<	0.20 U µg/L	UJ	I
EPI-MW-2D-0813	XB32F	SW8260C	Initial 1:1	Acrolein	<	5.0 U µg/L	UJ	c, I
EPI-MW-2D-0813	XB32F	SW8260C	Initial 1:1	Vinyl Chloride		1.3 µg/L	DNR	use 8260 SIM result
EPI-MW-2D-0813	XB32F	SW8260C	Initial 1:1	cis-1,2-Dichloroethene		110 E µg/L	DNR, ECR	use 1:5 8260C result
EPI-MW-2D-0813	XB32F	SW8260 SIM	Initial 1:1	Trichloroethene		24 ES µg/L	DNR, ECR	use 1:1 8260C result
EPI-MW-2D-0813	XB32F	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U µg/L	DNR	use 8260 SIM result
EPI-MW-2D-0813	XB32F	SW8260C	Reanal 1:5	Vinyl Chloride		1.4 µg/L	DNR	use 1:1 8260C result
EPI-MW-2D-0813	XB32F	SW8260C	Reanal 1:5	1,1-Dichloroethene		19 µg/L	DNR	use 1:1 8260C result
EPI-MW-2D-0813	XB32F	SW8260C	Reanal 1:5	1,1-Dichloroethane		14 µg/L	DNR	use 1:1 8260C result
EPI-MW-2D-0813	XB32F	SW8260C	Reanal 1:5	trans-1,2-Dichloroethene		62 µg/L	DNR	use 1:1 8260C result
EPI-MW-2D-0813	XB32F	SW8260C	Reanal 1:5	Trichloroethene		29 µg/L	DNR	use 1:1 8260C result
EPI-MW-2D-0813	XB32F	SW8260C	Reanal 1:5	All Non-detect Compounds	<	ND U µg/L	DNR	use 1:1 8260C results
EPI-MW-3S-0813	XB32G	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U µg/L	R	m, q
EPI-MW-3S-0813	XB32G	SW8260C	Initial 1:1	Bromoform	<	0.20 U µg/L	UJ	I
EPI-MW-3S-0813	XB32G	SW8260C	Initial 1:1	Acrolein	<	5.0 U µg/L	UJ	c, I
EPI-MW-3S-0813	XB32G	SW8260C	Initial 1:1	Vinyl Chloride		0.22 µg/L	DNR	use 8260 SIM result
EPI-MW-3S-0813	XB32G	SW8260C	Initial 1:1	Trichloroethene		3.5 µg/L	DNR	use 8260 SIM result
EPI-MW-3S-0813	XB32G	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U µg/L	DNR	use 8260 SIM result
EPI-MW-3D-0813	XB32H	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U µg/L	R	m, q
EPI-MW-3D-0813	XB32H	SW8260C	Initial 1:1	Bromoform	<	0.20 U µg/L	UJ	I
EPI-MW-3D-0813	XB32H	SW8260C	Initial 1:1	Acrolein	<	5.0 U µg/L	UJ	c, I
EPI-MW-3D-0813	XB32H	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U µg/L	DNR	use 8260 SIM result
EPI-MW-3D-0813	XB32H	SW8260C	Initial 1:1	Trichloroethene		0.75 µg/L	DNR	use 8260 SIM result
EPI-MW-3D-0813	XB32H	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U µg/L	DNR	use 8260 SIM result
EPI-MW-4S-0813	XB32I	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U µg/L	R	m, q
EPI-MW-4S-0813	XB32I	SW8260C	Initial 1:1	Bromoform	<	0.20 U µg/L	UJ	I
EPI-MW-4S-0813	XB32I	SW8260C	Initial 1:1	Acrolein	<	5.0 U µg/L	UJ	c, I
EPI-MW-4S-0813	XB32I	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U µg/L	DNR	use 8260 SIM result
EPI-MW-4S-0813	XB32I	SW8260 SIM	Initial 1:1	Trichloroethene		5.3 E µg/L	DNR, ECR	use 8260C result
EPI-MW-4S-0813	XB32I	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U µg/L	DNR	use 8260 SIM result
EPI-MW-4D-0813	XB32J	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U µg/L	R	m, q
EPI-MW-4D-0813	XB32J	SW8260C	Initial 1:1	Bromoform	<	0.20 U µg/L	UJ	I
EPI-MW-4D-0813	XB32J	SW8260C	Initial 1:1	Acrolein	<	5.0 U µg/L	UJ	c, I
EPI-MW-4D-0813	XB32J	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U µg/L	DNR	use 8260 SIM result
EPI-MW-4D-0813	XB32J	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U µg/L	DNR	use 8260 SIM result
EPI-MW-4D-0813	XB32J	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U µg/L	DNR	use 8260 SIM result
MW-400-0813	XB32K	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U µg/L	R	m, q
MW-400-0813	XB32K	SW8260C	Initial 1:1	Bromoform	<	0.20 U µg/L	UJ	I
MW-400-0813	XB32K	SW8260C	Initial 1:1	Acrolein	<	5.0 U µg/L	UJ	c, I
MW-400-0813	XB32K	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U µg/L	DNR	use 8260 SIM result
MW-400-0813	XB32K	SW8260 SIM	Initial 1:1	Trichloroethene		9.5 E µg/L	DNR, ECR	use 8260C result
MW-400-0813	XB32K	SW8260C	Initial 1:1	Tetrachloroethene		0.73 µg/L	DNR	use 8260 SIM result
MW-140D-0813	XB32L	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U µg/L	R	m, q

Table of Qualified Analytical Results
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Groundwater and Aqueous QC Samples
Analytical Resources Inc. (ARI) Laboratory Reports XB31 and XB32
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Sample ID	Lab ID	Method	Sequence	Analyte	Concentration		Qualifier	Reason Code/Comment	
					<	µg/L			
MW-140D-0813	XB32L	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-140D-0813	XB32L	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-140D-0813	XB32L	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-140D-0813	XB32L	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-140D-0813	XB32L	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-210S-0813	XB32M	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
MW-210S-0813	XB32M	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
MW-210S-0813	XB32M	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
MW-210S-0813	XB32M	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
MW-210S-0813	XB32M	SW8260C	Initial 1:1	Trichloroethene		1.6	µg/L	DNR	use 8260 SIM result
MW-210S-0813	XB32M	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
TB-0813	XB32N	SW8260C	Initial 1:1	2-Chloroethylvinylether	<	1.0 U	µg/L	R	m, q
TB-0813	XB32N	SW8260C	Initial 1:1	Bromoform	<	0.20 U	µg/L	UJ	I
TB-0813	XB32N	SW8260C	Initial 1:1	Acrolein	<	5.0 U	µg/L	UJ	c, I
TB-0813	XB32N	SW8260C	Initial 1:1	Vinyl Chloride	<	0.20 U	µg/L	DNR	use 8260 SIM result
TB-0813	XB32N	SW8260C	Initial 1:1	Trichloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result
TB-0813	XB32N	SW8260C	Initial 1:1	Tetrachloroethene	<	0.20 U	µg/L	DNR	use 8260 SIM result

Reason Codes:

- c: The continuing calibration verification was outside the method specification limit.
I: Laboratory control sample recovery was outside the quality control limits.
m: Matrix spike sample recovery was outside the advisory limits.
q: Confirmed matrix interference with compound quantitation.
ECR: Target compound concentration exceeded instrument calibration range; a dilution was required.
DNR: Do not report, an alternate, acceptable result is available.

Attachment D
Groundwater Sampling Frequency

Table D-1 Groundwater Monitoring Well Sampling Plan

Well	Depth (bgs)	Frequency	Notes
MW-1	6-16	Q	Frequency modified on June 30, 2010
MW-2	6.5-16.5	A	
MW-3	6-16	S	
MW-4	7-17	Q	
MW-5	5-20	S	
MW-6	5-20	S	
MW-7	5-20	S	
MW-8S	5-20	Q	Renamed to MW-8S
MW-8M	20-30	Q	
MW-9	5-20	A	
MW-10	4-19	S	
MW-11	5-20	Q	
MW-12	5-20	S	
MW-13	4-19	S	
MW-14M	20-30	Q	Renamed to MW-14M
MW-14D	45-55	Q	
MW-15M	20-30	Q	Renamed to MW-15M
MW-15D	45-55	Q	
MW-16M	20-30	Q	Renamed to MW-16M
MW-16D	45-55	Q	
EPI-MW-1S	5-15	Not Sampled	
EPI-MW-1D	25-30	Not Sampled	
EPI-MW-2S	5-15	Not Sampled	Damaged - Not Available
EPI-MW-2D	25-30	S	
EPI-MW-3S	5-15	S	
EPI-MW-3D	25-30	S	
EPI-MW-4S	5-15	S	
EPI-MW-4D	25-30	S	
MW-17M	M (20-30)	S	Frequency modified on June 30, 2010
MW-17D	D (45-55)	S	Frequency modified on June 30, 2010
MW-18M	M (20-30)	S	Frequency modified on June 30, 2010
MW-18D	D (45-55)	S	Frequency modified on June 30, 2010
MW-19M	M (20-30)	S	
MW-20M	M (20-30)	S	
MW-21S	6-16	Q	
Total Samples Per Event		Q=12, S=30, A=32	
Total Samples Per Yr		84	

Notes:

Q = Sampled Quarterly (May and November)

S = Sampled Semi Annually (August)

A = Sampled Annually (February)

Attachment E
Historic Data Tables

Table E-1. Historic Well Gauging Data

Date	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8S	
	Depth to GW (feet) 18.49	GW Elevation (feet) MLLW	Depth to GW (feet) 18.29	GW Elevation (feet) MLLW	Depth to GW (feet) 17.05	GW Elevation (feet) MLLW	Depth to GW (feet) 19.62	GW Elevation (feet) MLLW	Depth to GW (feet) 18.03	GW Elevation (feet) MLLW	Depth to GW (feet) 17.87	GW Elevation (feet) MLLW	Depth to GW (feet) 20.51	GW Elevation (feet) MLLW	Depth to GW (feet) 17.76	GW Elevation (feet) MLLW
Reference Elevation: ¹	18.38	⁶	18.22	⁶	16.99 16.87	⁵ ⁶	19.54	⁶	17.92	⁶	17.74	⁶	20.38	⁶	17.58	⁶
08/13/96	8.86	9.63	8.66	9.63	7.59	9.46	10.10	9.52	8.32	9.71	8.42	9.45	11.00	9.51	8.31	9.45
08/22/96 ²	8.91	9.58	8.76	9.53	7.65	9.40	10.18	9.44	8.41	9.62	8.53	9.34	11.10	9.41	8.41	9.35
08/22/96 ²	NM	NM	NM	NM	7.92	9.13	NM	NM	8.41	9.62	8.59	9.28	NM	NM	8.56	NM
08/23/96 ²	NM	NM	NM	NM	7.96	9.09	NM	NM	8.44	9.59	8.66	9.21	NM	NM	8.63	9.13
08/23/96 ³	NM	NM	NM	NM	7.98	9.07	NM	NM	8.44	9.59	8.68	9.19	NM	NM	8.66	9.10
08/26/96 ³	NM	NM	NM	NM	NM	NM	NM	NM	8.51	9.52	8.78	9.09	NM	NM	8.76	9.00
08/26/96 ³	NM	NM	NM	NM	NM	NM	NM	NM	8.51	9.52	8.78	9.09	NM	NM	8.76	9.00
08/27/96	NM	NM	NM	NM	8.08	8.97	NM	NM	8.53	9.50	8.81	9.06	NM	NM	8.78	8.98
08/28/96	NM	NM	NM	NM	8.12	8.93	NM	NM	8.56	9.47	8.84	9.03	NM	NM	8.81	8.95
08/30/96	NM	NM	NM	NM	NM	NM	NM	NM	8.57	9.46	8.85	9.02	NM	NM	8.83	8.93
09/03/96	NM	NM	NM	NM	7.96	9.09	NM	NM	8.62	9.41	8.87	9.00	NM	NM	8.80	8.96
09/05/96	9.13	9.36	8.99	9.30	7.98	9.07	10.47	9.15	8.63	9.40	8.87	9.00	11.38	9.13	8.80	8.96
09/10/96	NM	NM	NM	NM	8.23	8.82	NM	NM	8.71	9.32	8.98	8.89	NM	NM	8.95	8.81
09/12/96	9.23	9.26	9.09	9.20	8.24	8.81	10.57	9.05	8.72	9.31	9.00	8.87	11.50	9.01	8.96	8.80
09/30/96	9.32	9.17	9.18	9.11	8.23	8.82	NM	NM	8.84	9.19	9.07	8.80	NM	NM	9.00	8.76
10/14/96	NM	NM	10.36	7.93	NM	NM	11.82	7.80	9.98	8.05	10.24	7.63	12.75	7.76	10.23	7.53
10/29/96	9.37	9.12	9.21	9.08	8.41	8.64	10.70	8.92	8.97	9.06	9.08	8.79	11.61	8.90	9.04	8.72
11/20/96 ⁴	9.31	9.18	9.15	9.14	8.26	8.97	10.62	9.00	8.81	9.22	9.03	8.84	11.53	8.98	8.84	8.92
11/25/96	NM	NM	10.02	8.27	NM	NM	11.48	8.14	9.69	8.34	9.88	7.99	12.39	8.12	9.79	7.97
01/03/97	7.38	11.11	7.21	11.08	6.16	10.89	NM	NM	6.94	11.09	NM	NM	NM	NM	6.85	10.91
04/17/97	8.11	10.38	7.97	10.32	7.18	9.87	9.43	10.19	7.63	10.40	7.83	10.04	10.36	10.15	7.79	9.97
07/21/97	8.35	10.14	8.22	10.07	7.07	9.98	9.67	9.95	7.87	10.16	8.01	9.86	10.56	9.95	7.85	9.91
11/19/97	8.66	9.83	8.52	9.77	7.78	9.27	10.05	9.57	8.16	9.87	8.48	9.39	10.96	9.55	8.43	9.33
02/24/98	7.44	11.05	7.29	11	6.38	10.67	8.79	10.83	6.95	11.08	7.23	10.64	9.71	10.8	7.12	10.64
05/20/98	8.48	10.01	8.34	9.95	7.43	9.62	9.83	9.79	7.98	10.05	8.27	9.6	10.75	9.76	8.17	9.59
08/12/98	9.26	9.23	9.12	9.17	8.46	8.59	10.62	9	8.76	9.27	9.06	8.81	11.56	8.95	9.02	8.74
11/09/98	9.72	8.77	9.59	8.7	8.72	8.33	11.05	8.57	9.23	8.8	9.45	8.42	11.96	8.55	9.32	8.44
02/24/99	7.11	11.38	NM	NM	5.87	11.18	8.37	11.25	6.65	11.38	6.74	11.13	9.24	11.27	6.57	11.19
06/08/99	8.41	10.08	8.56	9.73	7.65	9.40	10.03	9.59	8.21	9.82	8.46	9.41	10.05	10.46	8.39	9.37
08/25/99	9.4	9.09	9.24	9.05	8.45	8.6	10.72	8.9	8.91	9.12	9.13	8.74	11.66	8.85	9.06	8.7
11/22/99	9.27	9.22	9.11	9.18	8.24	8.81	10.74	8.88	8.78	9.25	8.98	8.89	11.5	9.01	8.89	8.87
02/02/00	8.59	9.90	8.4	9.89	7.52	9.53	9.9	9.72	8.12	9.91	8.29	9.58	10.81	9.70	8.16	9.60
05/23/00	8.82	9.67	8.66	9.63	8	9.05	10.14	9.48	8.31	9.72	8.94	8.93	11.09	9.42	8.46	9.30
08/29/00	9.23	9.26	9.06	9.23	8.21	8.78	10.53	9.09	8.76	9.27	8.82	9.05	11.41	9.10	8.78	8.98
11/01/00	NM	NM	NM	NM	8.33	8.66	NM	NM	9	9.03	9.14	NM	NM	NM	9.08	8.68
11/28/00	9.5	8.99	9.32	8.97	8.27	8.72	10.81	8.81	9.02	9.01	9.16	8.71	11.69	8.82	9.05	8.71

Table E-1. Historic Well Gauging Data

Date	MW-8M		MW-9		MW-10		MW-11		MW-12		MW-13		MW-14S		MW-14D	
	Depth to GW (feet)	GW Elevation (feet MLLW)	Depth to GW (feet) 16.67	GW Elevation (feet MLLW)	Depth to GW (feet) 17.58	GW Elevation (feet MLLW)	Depth to GW (feet) 17.67	GW Elevation (feet MLLW)	Depth to GW (feet) 17.98	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)
Reference Elevation: ¹	17.41	¹⁰	16.56	⁶	17.50 17.44	⁵ ⁶	17.49	⁶	17.88 17.75	⁵ ⁶	18.38	⁶	17.38	⁶	16.90	⁶
08/13/96	NM	NM	7.18	9.49	8.45	9.13	8.64	9.03	8.95	9.03	NM	NM	NM	NM	NM	NM
08/22/96 ²	NM	NM	7.27	9.40	8.55	9.03	8.72	8.95	9.03	8.95	NM	NM	NM	NM	NM	NM
08/22/96 ²	NM	NM	NM	NM	8.59	8.99	8.72	8.95	9.04	8.94	NM	NM	NM	NM	NM	NM
08/23/96 ²	NM	NM	7.35	9.32	8.57	9.01	8.74	8.93	9.04	8.94	NM	NM	NM	NM	NM	NM
08/23/96 ³	NM	NM	7.36	9.31	8.58	9.00	8.75	8.92	9.05	8.93	NM	NM	NM	NM	NM	NM
08/26/96 ³	NM	NM	7.44	9.23	8.65	8.93	8.80	8.87	9.11	8.87	NM	NM	NM	NM	NM	NM
08/26/96 ³	NM	NM	7.43	9.24	8.66	8.92	8.80	8.87	9.09	8.89	NM	NM	NM	NM	NM	NM
08/27/96	NM	NM	7.46	9.21	8.67	8.91	8.82	8.85	9.12	8.86	NM	NM	NM	NM	NM	NM
08/28/96	NM	NM	7.48	9.19	8.70	8.88	8.84	8.83	9.13	8.85	NM	NM	NM	NM	NM	NM
08/30/96	NM	NM	7.49	9.18	8.71	8.87	8.86	8.81	9.15	8.83	NM	NM	NM	NM	NM	NM
09/03/96	NM	NM	7.48	9.19	8.75	8.83	8.91	8.76	9.21	8.77	NM	NM	NM	NM	NM	NM
09/05/96	NM	NM	7.51	9.16	8.79	8.79	8.92	8.75	9.24	8.74	NM	NM	NM	NM	NM	NM
09/10/96	NM	NM	7.62	9.05	8.85	8.73	8.99	8.68	9.30	8.68	NM	NM	NM	NM	NM	NM
09/12/96	NM	NM	7.63	9.04	8.87	8.71	9.02	8.65	9.31	8.67	NM	NM	NM	NM	NM	NM
09/30/96	NM	NM	7.69	8.98	8.96	8.62	9.12	8.55	9.43	8.55	NM	NM	NM	NM	NM	NM
10/14/96	NM	NM	8.86	7.81	10.09	7.49	10.26	7.41	10.58	7.40	NM	NM	NM	NM	NM	NM
10/29/96	NM	NM	7.70	8.97	8.97	8.61	9.16	8.51	9.48	8.50	NM	NM	NM	NM	NM	NM
11/20/96 ⁴	NM	NM	7.61	9.06	8.88	8.70	9.06	8.61	9.41	8.57	NM	NM	NM	NM	NM	NM
11/25/96	NM	NM	8.47	8.20	9.76	7.82	9.97	7.70	10.31	7.67	NM	NM	NM	NM	NM	NM
01/03/97	NM	NM	5.46	11.21	6.87	10.71	7.28	10.39	7.72	10.26	NM	NM	NM	NM	NM	NM
04/17/97	NM	NM	6.48	10.19	7.68	9.90	7.84	9.83	8.11	9.87	NM	NM	NM	NM	NM	NM
07/21/97	NM	NM	6.74	9.93	8.09	9.49	8.29	9.38	8.58	9.40	NM	NM	NM	NM	NM	NM
11/19/97	NM	NM	7.05	9.62	8.37	9.21	8.51	9.16	8.83	9.15	NM	NM	NM	NM	NM	NM
02/24/98	NM	NM	5.82	10.85	7.16	10.42	7.38	10.29	7.68	10.3	NM	NM	NM	NM	NM	NM
05/20/98	NM	NM	6.9	9.77	8.21	9.37	8.38	9.29	8.68	9.3	NM	NM	NM	NM	NM	NM
08/12/98	NM	NM	7.71	8.96	8.95	8.63	9.09	8.58	9.37	8.61	NM	NM	NM	NM	NM	NM
11/09/98	NM	NM	8.09	8.58	9.28	8.3	9.5	8.17	9.79	8.19	NM	NM	NM	NM	NM	NM
02/24/99	NM	NM	5.16	11.51	6.6	10.98	6.91	10.76	7.25	10.73	NM	NM	NM	NM	NM	NM
06/08/99	NM	NM	7.07	9.60	8.28	9.30	8.41	9.26	8.69	9.29	NM	NM	NM	NM	NM	NM
08/25/99	NM	NM	7.77	8.9	8.95	8.63	9.1	8.57	9.4	8.58	NM	NM	NM	NM	NM	NM
11/22/99	NM	NM	7.55	9.12	8.84	8.74	9.07	8.6	9.44	8.54	NM	NM	NM	NM	NM	NM
02/02/00	NM	NM	6.85	9.82	8.12	9.46	8.37	9.30	8.73	9.25	NM	NM	NM	NM	NM	NM
05/23/00	NM	NM	7.23	9.44	8.5	9.08	8.65	9.02	8.96	9.02	NM	NM	NM	NM	NM	NM
08/29/00	NM	NM	7.58	9.09	7.94	9.56	7.26	10.41	7.87	10.01	NM	NM	NM	NM	NM	NM
11/01/00	NM	NM	7.83	8.84	9.01	8.49	9.44	8.23	9.22	8.66	NM	NM	NM	NM	NM	NM
11/28/00	NM	NM	7.82	8.85	9.05	8.45	9.28	8.39	9.52	8.36	NM	NM	NM	NM	NM	NM

Table E-1. Historic Well Gauging Data

Date	MW-15S		MW-15D		MW-16M		MW-16D		MW-17M		MW-17D		MW-18M		MW-18D	
	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)
Reference Elevation: ¹	16.95	⁶	16.62	⁶	16.68	⁶	16.55	⁶	17.74	⁸	17.80	⁸	15.76	⁸	15.23	15.55 ¹¹
08/13/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/22/96 ²	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/22/96 ²	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/96 ²	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/96 ³	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/96 ³	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/96 ³	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/27/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/28/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/30/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/03/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/05/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/10/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/12/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/30/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/14/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/29/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/20/96 ⁴	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/25/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
01/03/97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
04/17/97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
07/21/97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/19/97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/24/98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/20/98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/12/98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/09/98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/24/99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
06/08/99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/25/99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/22/99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/02/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/23/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/29/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/01/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/28/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table E-1. Historic Well Gauging Data

Date	MW-19M		MW-20M		MW-21S		RW-1		RW-2		RW-3		EPI-MW-1S		EPI-MW-1D	
	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet)	GW Elevation (feet MLLW)	Depth to GW (feet) 14.97	GW Elevation (feet MLLW)	Depth to GW (feet) 15.55	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)
Reference Elevation: ¹	17.65	⁸	17.63	⁸	17.09	¹⁰	14.82	⁶	15.43	⁶	17.93	⁶	18.29		18.20	
08/13/96	NM	NM	NM	NM	NM	NM	NM	NM	8.15	7.40	NM	NM	NM	NM	NM	NM
08/22/96	² NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/22/96	² NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/96	² NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/96	³ NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/96	³ NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/96	³ NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/27/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/28/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/30/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/03/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/05/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/10/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/12/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/30/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/14/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/29/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/20/96	⁴ NM	NM	NM	NM	NM	NM	6.59	8.38	7.38	8.17	NM	NM	NM	NM	NM	NM
11/25/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
01/03/97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
04/17/97	NM	NM	NM	NM	NM	NM	5.95	9.02	6.27	9.28	NM	NM	NM	NM	NM	NM
07/21/97	NM	NM	NM	NM	NM	NM	5.11	9.86	5.78	9.77	NM	NM	NM	NM	NM	NM
11/19/97	NM	NM	NM	NM	NM	NM	6.49	8.48	7.51	8.04	NM	NM	NM	NM	NM	NM
02/24/98	NM	NM	NM	NM	NM	NM	4.51	10.46	5.74	9.81	NM	NM	NM	NM	NM	NM
05/20/98	NM	NM	NM	NM	NM	NM	5.75	9.22	6.13	9.42	NM	NM	NM	NM	NM	NM
08/12/98	NM	NM	NM	NM	NM	NM	7.19	7.78	8.15	7.4	NM	NM	NM	NM	NM	NM
11/09/98	NM	NM	NM	NM	NM	NM	7.07	7.9	7.78	7.77	NM	NM	NM	NM	NM	NM
02/24/99	NM	NM	NM	NM	NM	NM	4.52	10.45	5.08	10.47	NM	NM	NM	NM	NM	NM
06/08/99	NM	NM	NM	NM	NM	NM	6.05	8.92	7.71	7.84	NM	NM	NM	NM	NM	NM
08/25/99	NM	NM	NM	NM	NM	NM	6.98	7.99	7.85	7.7	NM	NM	NM	NM	NM	NM
11/22/99	NM	NM	NM	NM	NM	NM	6.77	8.2	7.3	8.25	NM	NM	NM	NM	NM	NM
02/02/00	NM	NM	NM	NM	NM	NM	5.92	9.05	6.35	9.20	NM	NM	NM	NM	NM	NM
05/23/00	NM	NM	NM	NM	NM	NM	6.9	8.07	6.53	9.02	NM	NM	NM	NM	NM	NM
08/29/00	NM	NM	NM	NM	NM	NM	6.95	8.02	7.68	7.87	NM	NM	NM	NM	NM	NM
11/01/00	NM	NM	NM	NM	NM	NM	6.4	8.57	7.6	7.95	NM	NM	NM	NM	NM	NM
11/28/00	NM	NM	NM	NM	NM	NM	6.24	8.73	7.43	8.12	NM	NM	NM	NM	NM	NM

Table E-1. Historic Well Gauging Data

Date	EPI-MW-2S		EPI-MW-2D		EPI-MW-3S		EPI-MW-3D		EPI-MW-4S		EPI-MW-4D	
	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)	Depth to GW (feet) NS	GW Elevation (feet MLLW)
Reference Elevation: ¹	18.81	⁷	18.83	⁷	19.41	⁷	19.38	⁷	19.33	⁷	19.33	⁷
08/13/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/22/96 ²	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/22/96 ²	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/96 ²	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/96 ³	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/96 ³	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/96 ³	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/27/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/28/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/30/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/03/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/05/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/10/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/12/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/30/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/14/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/29/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/20/96 ⁴	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/25/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
01/03/97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
04/17/97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
07/21/97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/19/97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/24/98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/20/98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/12/98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/09/98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/24/99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
06/08/99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/25/99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/22/99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/02/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/23/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/29/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/01/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/28/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table E-1. Historic Well Gauging Data

Notes:

- 1 Measuring point is the top of PVC well casing. Elevations are measured using the City of Seattle datum; elevations were converted to Mean Lower Low Water NAVD88 Datum by adding the standard conversion of 9.7 feet to all City of Seattle elevations.
 - 2 Measurements collected in the AM.
 - 3 Measurements collected in the PM.
 - 4 Water-level measurement for MW-8 collected on November 21, 1996.
 - 5 Casing was adjusted during well protector replacement and resurveyed on January 5, 2001. The new elevation is used beginning with the August 2000 sample event. Values converted to Mean Lower Low Water NAVD 88.
 - 6 All wells surveyed on August 25, 2003. Elevations are measured using the Mean Lower Low Water NAVD 88 Datum.
 - 7 Liberty Ridge Wells surveyed on June 16, 2004. Elevation are measured using the Mean Lower Low Water NAVD 88 Datum.
 - 8 Wells surveyed on February 15, 2005. Elevation are measured using the Mean Lower Low Water NAVD 88 Datum.
 - 9 MW-6 was not measured due to cars parked over the well for the duration of the sampling event.
 - 10 Monitoring wells installed on September 2005, surveyed in November. Elevations are measured using MLLW NAVD 88 Datum.
 - 11 MW-18D was re-surveyed in September 2005; groundwater elevations have been corrected based on the corrected survey elevation.
- NM - Not Measured
NS - Not Surveyed

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-1 (Shallow)	MW-1	5/11/1992	71	NA	< 20	12 J	500	2,400	< 2.0
	MWX-1 (Dup)	5/11/1992	72	NA	< 20	8.7 J	460	2,200	< 2.0
	MW-1-2	9/17/1992	31	NA	6.2	15	460	1,800	NA
	MW-1-2D (Dup)	9/17/1992	54	NA	12	22	720	2,600	NA
	MW-1-3	4/8/1993	35	NA	6.6	13	280	1,500	< 10
	MW-1-4	2/25/1994	6.6	NA	< 5.0	< 5.0	120	220	< 10
	MW-1-5	6/21/1994	15	NA	5.5	9.6	400	840	< 10
	MW-1-6	11/3/1994	< 5.0	NA	< 5.0	5.7	150	270	< 10
	MW-1-7	6/16/1995	6.1	NA	5.6	11	390	430	< 10
	MW-1-8	9/27/1995	1.6	NA	0.8	4.6	97	110	< 0.5
	MW-1-9	8/13/1996	2.1	NA	3.5	9.1 D	200 D	160 D	< 0.2
	MW-1-10	11/20/1996	0.8	NA	1.2	4.6	76	45	< 0.2
	MW-1-11	4/17/1997	2.5	NA	< 0.4	< 0.4	560 D	< 0.4	< 0.2
	MW-1-12	7/21/1997	0.3 J	NA	5.1	10	350 E,D	100 D	< 0.2
	MW-1-13	11/19/1997	2.4	NA	0.4	2.4	36	32	< 0.2
	MW-1-14	2/24/1998	0.9	NA	3.3	5.9	140 D	43 D	< 0.2
	MW-1-15	5/20/1998	0.6	NA	1.4	4.2	100 D	41 D	< 0.2
	MW-1-16	8/12/1998	0.8	< 0.2	0.3	3.0	34 D	25 D	< 0.2
	MW-20-16 (Dup)	8/12/1998	0.6	< 0.2	0.3	3.0	33 D	24 D	< 0.2
	MW-1-17	11/9/1998	0.4	< 0.2	0.3	2.4	32 D	20 D	< 0.2
	MW-1-18	2/24/1999	2.1	< 1.0	2.2	7.2	200	59	< 2.0
	MW-20 (Dup)	2/24/1999	2.0	< 0.2	2.2	7.0	200 D	56 D	< 0.2
	MW-1-19	6/8/1999	< 1.0	< 1.0	1.1	6.1	140	71	< 1.0
	MW-1-20	8/25/1999	< 2.0	< 2.0	< 2.0	4.5	66	50	< 2.0
	MW-1-21	11/22/1999	< 1.0	< 1.0	< 1.0	2.5	32	20	< 1.0
	MW-20 (Dup)	11/22/1999	< 1.0	< 1.0	< 1.0	2.6	31	20	< 1.0
	MW-1-200	2/2/2000	0.6	< 0.6	1.0	6.8	140	42	< 0.6
	MW-1-0500	5/23/2000	< 1.0	< 1.0	< 1.0	3.2	54	32	< 1.0
	MW-1-0800	8/29/2000	< 1.0	< 1.0	< 1.0	3	36	22	< 1.0
	MW-1-1100	11/28/2000	< 1.0	< 1.0	< 1.0	2.3	20	16	< 1.0
	MW-1-0201	2/20/2001	0.3	< 0.2	0.3	3.2	46 D	16 D	< 0.2
	MW-1-0501	5/24/2001	< 1.0	< 1.0	< 1.0	2.2 D	26 D	18 D	< 1.0
	MW-20-0501 (Dup)	5/24/2001	0.2	< 0.2	0.2	2.4 D	31 D	18 D	< 0.2
	MW-1-0801	8/27/2001	< 0.6	< 0.6	< 0.6	1.5	19	13	< 0.6
	MW-1-1101	11/5/2001	0.2	< 0.2	< 0.2	1.8	30 D	13	< 0.2
	MW-1-0202	2/21/2002	0.7	< 0.2	1.1	4.5	130	33	< 0.2
	MW-20-0202 (Dup)	2/21/2002	0.7	< 0.2	1.2	4.0	140	37	< 0.2
	MW-1-0502	5/23/2002	< 3.0	< 3.0	< 3.0	4.5	140 D	38 D	< 3.0
	MW-1-0802	8/14/2002	< 0.2	< 0.2	< 0.2	3.4	51 D	18 D	< 0.2
	MW-20-0802 (Dup)	8/14/2002	< 0.2	< 0.2	< 0.2	3.5	51 D	18 D	< 0.2
MW-1-1202	12/3/2002	0.15 b	< 0.2	< 0.2	2.5 b	22 D	10	< 0.02 b	
MW-1-0203	2/26/2003	0.3 b	< 0.2	0.6	3.2	71 D	17 D	< 0.0 b	
MW-1-0503	5/28/2003	0.4 b	< 2	< 2.0	3.7	97	34	< 0.0 b	
MW-1-0803	8/20/2003	0.2 b	< 2	< 2.0	2.5	48	25	< 0.0 b	
MW-1-1103	11/20/2003	0.06 b	< 0.2	< 0.2	1.1 b	8.5	4.3	< 0.02 b	
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-2 (Shallow)	MW-2	5/11/1992	< 1.0	NA	0.7 J	< 1.0	6.0	< 1.0	< 2.0
	MW-2-2	9/17/1992	< 5.0	NA	< 5.0	< 5.0	14	< 37	NA
	MW-2-3	4/8/1993	< 5.0	NA	< 5.0	< 5.0	6.7	< 5.0	< 10
	MW-2-4	2/25/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-2-5	6/21/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-2-6	11/3/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-2-7	6/14/1995	< 5.0	NA	< 5.0	< 5.0	8.8	< 5.0	< 10
	MW-2-8	9/27/1995	< 0.5	NA	0.6	< 0.5	4.8	< 0.5	< 0.5
	MW-2-9	8/13/1996	< 0.2	NA	1.8	0.6	17 D	0.2	< 0.2
	MW-2-10	11/20/1996	< 0.2	NA	0.4	< 0.2	4.5	< 0.2	< 0.2
	MW-2-11	4/17/1997	< 0.4	NA	< 0.4	< 0.4	4.4	< 0.4	< 0.2
	MW-2-12	7/21/1997	< 0.4	NA	0.9	0.6	13 D	0.2 J	< 0.2
	MW-2-13	11/19/1997	< 0.4	NA	0.6	< 0.4	3.8	< 0.4	< 0.2
	MW-2-14	2/24/1998	< 0.2	NA	< 0.4	< 0.2	3.2	< 0.4	< 0.2
	MW-2-15	5/20/1998	< 0.4	NA	0.4	< 0.4	4.2	< 0.4	< 0.2
	MW-2-16	8/12/1998	< 0.2	< 0.2	1.0	0.2	6.2	< 0.2	< 0.2
	MW-2-17	11/9/1998	< 0.2	< 0.2	0.4	< 0.2	2.4	< 0.2	< 0.2
	MW2-19	6/8/1999	< 0.2	< 0.2	0.2 J	0.2	4.2	< 0.2	< 0.2
	MW2-20	8/25/1999	< 0.2	< 0.2	0.3	0.2	4.5	< 0.2	< 0.2
	MW2-21	11/22/1999	< 0.2	< 0.2	0.3	< 0.2	3.5	< 0.2	< 0.2
	MW-2-200	2/2/2000	< 0.2	< 0.2	< 0.2	0.2	3	< 0.2	< 0.2
	MW-2-0500	5/23/2000	< 0.2	< 0.2	0.3	< 0.2	3.6	< 0.2	< 0.2
	MW-2-0800	8/29/2000	< 0.2	< 0.2	0.5	< 0.2	4.5	< 0.2	< 0.2
	MW-2-1100	11/28/2000	< 0.2	< 0.2	0.4	< 0.2	2.7	< 0.2	< 0.2
	MW-2-0201	2/20/2001	< 0.2	< 0.2	0.6	0.2	4.4	< 0.2	< 0.2
	MW-2-0501	5/24/2001	< 0.2	< 0.2	0.6	< 0.2	4.0	< 0.2	< 0.2
	MW-2-0801	8/27/2001	< 0.2	< 0.2	0.6	< 0.2	2.8	< 0.2	< 0.2
	MW-2-1101	11/5/2001	< 0.2	< 0.2	0.3	< 0.2	2.2	< 0.2	< 0.2
	MW-2-0202	2/21/2002	< 0.2	< 0.2	0.2	< 0.2	2.2	< 0.2	< 0.2
	MW-2-0502	5/23/2002	< 0.2	< 0.2	0.6	0.2	5.8	0.2	< 0.2
	MW-2-0802	8/14/2002	< 0.2	< 0.2	0.7	< 0.2	5.9	< 0.2	< 0.2
	MW-2-0203	2/26/2003	< 0.02 b	< 0.2	< 0.2	< 0.19 bUB	3.1	< 0.2	< 0.02 b
	MW-2-0803	8/20/2003	< 0.02 b	< 0.2	0.8	0.21 b	6.8	< 0.2	< 0.02 b
RW-2	RW-2	8/13/1996	24 D	NA	87 D	< 0.2	32 D	0.2	0.3
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-3 (Shallow)	MW-3	5/11/1992	< 1.0	NA	4.3	< 1.0	21	< 1.0	< 2.0
	MW-3-2	9/17/1992	< 5.0	NA	< 5.0	< 5.0	26	< 5.0	NA
	MW-3-3	4/8/1993	< 5.0	NA	< 5.0	< 5.0	13	< 5.0	< 10
	MW-3-4	2/25/1994	< 5.0	NA	< 5.0	< 5.0	9.9	< 5.0	< 10
	MW-3-5	6/21/1994	< 5.0	NA	< 5.0	< 5.0	9.4	< 5.0	< 10
	MW-3-6	11/3/1994	< 5.0	NA	< 5.0	< 5.0	11	< 5.0	< 10
	MW-3-7	6/15/1995	< 5.0	NA	< 5.0	< 5.0	8.9	< 5.0	< 10
	MW-3-8	9/27/1995	< 0.5	NA	1.2	< 0.5	11	< 0.5	< 0.5
	MW-3-9	8/13/1996	< 0.2	NA	1.1	< 0.2	11 D	< 0.2	< 0.2
	MW-3-10	11/20/1996	6.0	NA	2.2	< 0.2	1.2	0.6	< 0.2
	MW-3-10D (Dup)	11/20/1996	5.7	NA	1.9	< 0.2	1.3	0.7	< 0.2
	MW-3-11	4/17/1997	6.6	NA	3.2	< 0.4	2.3	< 0.4	< 0.2
	MW-3-12	7/21/1997	2.9	NA	1.3	< 0.4	3.3	0.4	< 0.2
	MW-20 (Dup)	7/21/1997	2.7	NA	1.1	< 0.4	3.1	0.4 J	< 0.2
	MW-3-13	11/19/1997	1.5	NA	0.92	< 0.4	1.3	< 0.4	0.8
	MW-3-14	2/24/1998	1.2	NA	0.70	< 0.2	1.9	< 0.4	< 0.2
	MW-3-15	5/20/1998	0.65	NA	0.46	< 0.4	1.6	< 0.4	< 0.2
	MW-3-16	8/12/1998	1.0	< 0.2	0.70	< 0.2	1.2	< 0.2	< 0.2
	MW-3-17	11/9/1998	0.5	< 0.2	0.60	< 0.2	0.7	< 0.2	< 0.2
	MW-3-18	2/24/1999	1.6	< 0.2	0.6	< 0.2	1.1	< 0.2	< 0.2
	MW-3-19	6/8/1999	0.5	< 0.2	0.5	< 0.2	0.9	< 0.2	< 0.2
	MW-3-20	8/25/1999	0.3	< 0.2	0.3	< 0.2	0.5	< 0.2	< 0.2
	MW-20 (Dup)	8/25/1999	0.2	< 0.2	0.3	< 0.2	0.4	< 0.2	< 0.2
	MW-3-21	11/22/1999	< 0.2	< 0.2	0.3	< 0.2	0.3	< 0.2	< 0.2
	MW-3-200	2/2/2000	0.4	< 0.2	0.6	< 0.2	0.8	< 0.2	< 0.2
	MW-3-0500	5/23/2000	< 0.2	< 0.2	< 0.2	< 0.2	0.2	< 0.2	< 0.2
	MW-3-0800	8/29/2000	0.4	< 0.2	0.5	< 0.2	0.6	< 0.2	< 0.2
	MW-20-0800 (Dup)	8/29/2000	0.4	< 0.2	0.5	< 0.2	0.5	< 0.2	< 0.2
	MW-3-1100	11/28/2000	< 0.2	< 0.2	< 0.2	< 0.2	0.5	< 0.2	< 0.2
	MW-3-0201	2/20/2001	< 0.2	< 0.2	< 0.20	< 0.2	0.4	< 0.2	< 0.2
	MW-3-0501	5/24/2001	< 0.2	< 0.2	0.20	< 0.2	0.3	< 0.2	< 0.2
	MW-3-0801	8/27/2001	0.2	< 0.2	0.40	< 0.2	0.3	< 0.2	< 0.2
	MW-3-1101	11/5/2001	0.2	< 0.2	0.40	< 0.2	< 0.2	< 0.2	< 0.2
	MW-20-1101 (Dup)	11/5/2001	0.2	< 0.2	0.4	< 0.2	< 0.2	< 0.2	< 0.2
	MW-3-0202	2/21/2002	< 0.2	< 0.2	0.6	< 0.2	0.4	< 0.2	< 0.2
	MW-3-0502	5/23/2002	< 0.2	< 0.2	0.6	< 0.2	0.2	< 0.2	< 0.2
	MW-3-0802	8/14/2002	< 0.2	< 0.2	0.4	< 0.2	0.4	< 0.2	< 0.2
	MW-3-1202	12/3/2002	0.066 b	< 0.2	0.2	< 0.05 b	0.3	< 0.2	< 0.02 b
	MW-3-0203	2/26/2003	0.052 b	< 0.2	0.5	< 0.05 b	< 0.2	< 0.2	< 0.02 b
	MW-3-0503	5/28/2003	0.036 b	< 0.2	< 0.2	< 0.05 b	0.3	< 0.2	< 0.02 b
MW-3-0803	8/20/2003	0.021 b	< 0.2	< 0.2	< 0.02 b	< 0.2	< 0.2	< 0.02 b	
MW-3-1103	11/21/2003	0.02 b	< 0.2	< 0.2	< 0.02 b	0.8	< 0.2	< 0.02 b	
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-4 (Shallow)	MW-4	5/11/1992	7.1	NA	1.4	1.1	100	75	< 2.0
	MW-4-2	9/17/1992	6.7	NA	< 5.0	< 5.0	110	99	NA
	MW-4-3	4/8/1993	15	NA	6.3	< 5.0	190	230	< 10
	MW-4-4	2/25/1994	54	NA	10	< 5.0	280	530	< 10
	MW-4-5	6/21/1994	80	NA	14	< 5.0	320	490	< 10
	MW-4-6	11/3/1994	57	NA	8.6	< 5.0	230	240	< 10
	MW-4-7	6/16/1995	66	NA	11	< 5.0	370	470	< 10
	MW-4-8	9/27/1995	63	NA	9.1	2.6	300	240	< 0.5
	MW-4-9	8/13/1996	37 D	NA	8.8 D	4.8	290 D	250 D	< 0.2
	MW-4-10	11/21/1996	38	NA	6.1	2.6	260	120	0.2
	MW-4-11	4/17/1997	22 E	NA	< 0.4	2.7	210 D	< 0.4	< 0.2
	MW-4-12	7/21/1997	18 D	NA	5.4	2.2	210 D	99 D	< 0.2
	MW-4-13	11/19/1997	21	NA	5.7	1.2	180	78	4.8
	MW-4-14	2/24/1998	10	NA	5.7	1.7	170 D	44	< 0.2
	MW-4-15	5/20/1998	19 D	NA	9.7	1.5	230 D	40 D	< 0.2
	MW-20-15 (Dup)	5/20/1998	18 D	NA	9.7	1.5	240 D	44 D	< 0.2
	MW-4-16	8/12/1998	15 D	0.3	11 D	2.0	250 D	59 D	0.4
	MW-4-17	11/9/1998	9.2	< 0.2	6.4	1.3	160 D	36 D	< 0.2
	MW-4-18	2/24/1999	15	< 1	8.0	2.4	310 D	49	< 2.0
	MW-4-19	6/8/1999	6.8	< 1	7.5	2.4	240	37	< 1.0
	MW-20 (Dup)	6/8/1999	6.9	< 1	7.6	2.5	240	33	< 1.0
	MW-4-20	8/25/1999	< 6.0	< 6	6.3	< 6.0	190	27	< 6.0
	MW-4-21	11/22/1999	3.4	< 1	4.3	1.4	160	18	< 1.0
	MW-4-200	2/2/2000	7.8	< 3	9.9	3.0	340	38	< 3.0
	MW-4-0500	5/23/2000	3.6	< 1	5.0	1.1	160	18	< 1.0
	MW-4-0800	8/29/2000	2.2	< 1	4.6	1.0	110	14	< 1.0
	MW-4-1100	11/28/2000	2.7	< 0.2	3.9	1.3	130	17	< 0.2
	MW-20-1100 (Dup)	11/28/2000	2.8	< 0.2	3.9	1.3	130	18	< 0.2
	MW-4-0201	2/20/2001	3.3	< 0.2	5.8	1.3	140 D	14 D	< 0.2
	MW-4-0501	5/24/2001	< 4	< 4	6.4 D	< 4.0	130 D	16 D	< 4.0
	MW-4-0801	8/27/2001	2	< 1	2.8	< 1.0	110	9.1	< 1.0
	MW-4-1101	11/5/2001	1.8	< 0.2	3.3	0.6	100 D	7.9	< 0.2
	MW-4-0202	2/21/2002	2.0	< 0.2	2.8	0.8	120	5.8	< 0.2
	MW-4-0502	5/23/2002	< 3.0	< 3	< 3.0	< 3.0	110 D	7.7 D	< 3.0
	MW-4-0802	8/14/2002	1.5	< 0.2	2.2	1.1	96 D	6.8	< 0.2
	MW-4-1202	12/3/2002	1.2 b	< 2	2.5 D	1.3 b	100 D	5.3 D	0.0 b
	MW-4-0203	2/26/2003	1.1 b	< 2	2.0	1.0 b	94	5.5	0.0 b
	MW-4-0503	5/28/2003	1.4 b	< 2	< 2.0	1.2 b	100	7.4	0.0 b
	MW-4-0803	8/20/2003	2.6 b	< 4	< 4.0	4.0 b	200	29	0.0 b
	MW-4-1103	11/20/2003	3.6 b	< 1	< 1.0	3.8 b	86	20	0.1 b
MW-20-1103 (Dup)	11/20/2003	3.6 b	< 1	< 1.0	3.7 b	86	20	0.1 b	
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-5 (Shallow)	MW-5-4	2/25/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	53	< 10
	MW-5-5	6/21/1994	< 5.0	NA	< 5.0	< 5.0	6.6	45	< 10
	MW-5-6	11/3/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	98	< 10
	MW-5-7	6/16/1995	< 5.0	NA	< 5.0	< 5.0	< 5.0	20	< 10
	MW-5-7-DUP	6/16/1995	< 5.0	NA	< 5.0	< 5.0	< 5.0	17	< 10
	MW-5-8	9/27/1995	0.8	NA	< 0.5	< 0.5	3.2	23	< 0.5
	MW-5-9	8/13/1996	0.3	NA	< 0.2	1.4	3.1	16	D < 0.2
	MW-5-10	11/21/1996	0.4	NA	< 0.2	1.1	4.9	20	< 0.2
	MW-5-11	4/17/1997	< 0.4	NA	< 0.4	0.60	1.0	< 0.4	< 0.2
	MW-5-12	7/21/1997	0.5	NA	< 0.4	1.2	2.2	16	D < 0.2
	MW-5-13	11/19/1997	0.9	NA	< 0.4	0.30 J	1.1	8.1	< 0.2
	MW-5-14	2/24/1998	< 0.2	NA	< 0.4	0.88	1.9	9.2	D < 0.2
	MW-5-15	5/20/1998	< 0.4	NA	< 0.4	0.62	1.3	9.1	< 0.2
	MW-5-16	8/12/1998	0.3	< 0.2	< 0.2	0.60	1.6	13	D < 0.2
	MW-5-17	11/9/1998	0.3	< 0.2	< 0.2	0.70	3.3	16	D < 0.2
	MW-5-18	2/24/1999	< 1.0	< 1.0	< 1.0	0.9 J	1.6	9.2	< 2.0
	MW-5-19	6/8/1999	< 0.2	< 0.2	< 0.2	0.4	0.8	8.5	< 0.2
	MW-5-20	8/25/1999	< 0.2	< 0.2	< 0.2	0.3	0.7	3.5	< 0.2
	MW-5-21	11/22/1999	< 0.2	< 0.2	< 0.2	< 0.2	1.7	8.7	< 0.2
	MW-5-200	2/2/2000	< 0.2	< 0.2	< 0.2	0.6	2	13	< 0.2
	MW-20-200 (Dup)	2/2/2000	< 0.2	< 0.2	< 0.2	0.4	1.5	13	< 0.2
	MW-5-0500	5/23/2000	< 1	< 1	< 1	< 1	< 1	2.7	< 1
	MW-5-0800	8/29/2000	< 0.2	< 0.2	< 0.2	< 0.2	0.5	1.1	< 0.2
	MW-5-1100	11/28/2000	< 0.2	< 0.2	< 0.2	0.2	0.6	0.9	< 0.2
	MW-5-0201	2/20/2001	< 0.2	< 0.2	< 0.2	0.2	1.4	3	< 0.2
	MW-5-0501	5/24/2001	< 0.2	< 0.2	< 0.2	0.20	0.6	1.5	< 0.2
	MW-5-0801	8/27/2001	< 0.2	< 0.2	< 0.2	0.20	1	2.3	< 0.2
	MW-5-1101	11/5/2001	< 0.2	< 0.2	< 0.2	0.3	1.6	2.4	< 0.2
	MW-5-0202	2/21/2002	< 0.2	< 0.2	< 0.2	0.2	1	2.3	< 0.2
	MW-5-0502	5/23/2002	< 0.2	< 0.2	< 0.2	0.2	0.8	1.6	< 0.2
	MW-5-0802	8/14/2002	< 0.2	< 0.2	< 0.2	< 0.2	0.4	0.9	< 0.2
	MW-5-1202	12/3/2002	< 0.02 b	< 0.2	< 0.2	0.32 b	0.8	1.5	< 0.02 b
	MW-5-0203	2/26/2003	0.022 b	< 0.2	< 0.2	< 0.3 bUB	1	2.5	< 0.02 b
MW-5-0503	5/28/2003	0.024 b	< 0.2	< 0.2	0.24 b	0.7	2.5	< 0.02 b	
MW-5-0803	8/20/2003	< 0.02 b	< 0.2	< 0.2	0.22 b	0.8	1.9	< 0.02 b	
MW-5-1103	11/20/2003	< 0.02 b	< 0.2	< 0.2	0.23 b	0.9	1	< 0.02 b	
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-6 (Shallow)	MW-6-4	2/25/1994	150	NA	15	< 5.0	350	830	< 10
	MW-6X-4 (Dup)	2/25/1994	160	NA	16	< 5.0	330	630	< 10
	MW-6-5	6/21/1994	200	NA	19	< 5.0	380	990	< 10
	MW-6X-5 (Dup)	6/21/1994	310	NA	21	< 5.0	460	1,800	< 10
	MW-6-6	11/3/1994	290	NA	17	< 5.0	410	2,500	< 10
	MW-6X-5 (Dup)	11/3/1994	250	NA	17	< 5.0	390	1,900	< 10
	MW-6-7	6/16/1995	360	NA	25	< 5.0	390	420	< 10
	MW-6-8	9/27/1995	300	NA	18	< 12	410	1,000	< 10
	MW-6-9	8/13/1996	260 D	NA	20 D	3.7	530 D	420 D	< 0.56
	MW-6-10	11/20/1996	15	NA	3.1	0.5	90	17	< 0.2
	MW-6-11	4/17/1997	10	NA	2.5	< 0.4	38 D	< 0.4	< 0.2
	MW-20 (Dup)	4/17/1997	10	NA	2.7	< 0.4	43 D	6.7	< 0.2
	MW-6-12	7/21/1997	5.8	NA	1.0	0.2 J	32 D	7.3	< 0.2
	MW-6-13	11/19/1997	2.7	NA	0.4	< 0.4	16 D	3.9	1.1
	MW-6-14	2/24/1998	1.7	NA	0.37 J	< 0.2	12 D	2.6	< 0.2
	MW-20 (Dup)	2/24/1998	1.8	NA	0.37 J	< 0.2	13 D	2.7	< 0.2
	MW-6-15	5/20/1998	1.9	NA	0.60	< 0.4	13 D	9.4	< 0.2
	MW-6-16	8/12/1998	1.6	< 0.2	0.20	< 0.2	8.8 D	3.5	< 0.2
	MW-6-17	11/9/1998	0.8	< 0.2	< 0.2	< 0.2	7.1	1.1	< 0.2
	MW-6-18	2/24/1999	3.5	< 0.2	0.2	< 0.2	8.9	3.4	< 0.2
	MW-6-19	6/8/1999	0.9	< 0.2	0.2 J	< 0.2	6.7	1.7	< 0.2
	MW-6-20	8/25/1999	0.6	< 0.2	< 0.2	< 0.2	5.0	0.6	< 0.2
	MW-6-21	11/22/1999	0.6	< 0.2	< 0.2	< 0.2	6.2	0.4	< 0.2
	MW-6-200	2/2/2000	0.8	< 0.2	0.2	< 0.2	6.2	1	< 0.2
	MW-6-0500	5/23/2000	0.5	< 0.2	< 0.2	< 0.2	4.3	1	< 0.2
	MW-20-0500 (Dup)	5/23/2000	0.5	< 0.2	< 0.2	< 0.2	4.3	1	< 0.2
	MW-6-0800	8/29/2000	0.4	< 0.2	< 0.2	< 0.2	3.7	0.8	< 0.2
	MW-6-1100	11/28/2000	0.4	< 0.2	< 0.2	< 0.2	3.8	0.7	< 0.2
	MW-6-0201	2/20/2001	0.4	< 0.2	< 0.20	< 0.2	3.6	1.1	< 0.2
	MW-20-0201 (Dup)	2/20/2001	0.5	< 0.2	< 0.20	< 0.2	4.5	1.2	< 0.2
	MW-6-0501	5/24/2001	0.4	< 0.2	< 0.2	< 0.2	3.4	0.9	< 0.2
	MW-6-0801	8/27/2001	0.3	< 0.2	< 0.2	< 0.2	2	< 0.2	< 0.2
	MW-6-1101	11/5/2001	0.2	< 0.2	< 0.2	< 0.2	2.3	0.2	< 0.2
	MW-6-0202	2/21/2002	0.3	< 0.2	< 0.2	< 0.2	2.1	< 0.2	< 0.2
	MW-6-0502	5/23/2002	0.3	< 0.2	< 0.2	< 0.2	2.5	0.4	< 0.2
	MW-6-0802	8/14/2002	0.3	< 0.2	< 0.2	< 0.2	2.7	0.5	< 0.2
	MW-6-1202	12/3/2002	0.26 b	< 0.2	< 0.2	< 0.05 b	2.2	0.3	0.069 b
	MW-6-0203	2/26/2003	0.23 b	< 0.2	< 0.2	< 0.05 b	2.3	0.2	0.068 b
	MW-6-0503	5/28/2003	0.34 b	< 0.2	< 0.2	0.052 b	2.7	0.4	0.038 b
	MW-6-0803	8/21/2003	0.23 b	< 0.2	< 0.2	0.029 b	2.4	0.3	0.027 b
MW-25-0803 (Dup)	8/21/2003	0.22 b	< 0.2	< 0.2	0.027 b	2.4	0.3	0.026 b	
MW-6-1103	11/21/2003	0.23 b	< 0.2	< 0.2	< 0.02 b	2.5	< 0.2	0.035 b	
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-7 (Shallow)	MW-7-4	2/25/1994	260	NA	5.6	< 5.0	< 5.0	< 5.0	< 10
	MW-7-5	6/21/1994	180	NA	170	< 5.0	50	30	< 10
	MW-7-6	11/3/1994	220	NA	11	< 5.0	< 5.0	< 5.0	< 10
	MW-7-7	6/16/1995	53	NA	160	< 5.0	45	26	< 10
	MW-7-8	9/27/1995	62	NA	140	< 0.5	43	22	< 0.9
	MW-7-9	8/13/1996	54 D	NA	240 D	< 0.2	88 D	30 D	< 0.6
	MW-7-10	11/21/1996	40	NA	5.6	< 0.2	1.5	0.3	< 0.2
	MW-7-11	4/17/1997	9.4	NA	50 D	< 0.4	23 E	11	< 0.2
	MW-7-12	7/21/1997	21 D	NA	130 D	< 0.3 J	46 D	25 D	< 0.4
	MW-7-13	11/19/1997	38 D	NA	20 D	< 0.4	6.3	2.7	< 5.4
	MW-7-14	2/24/1998	9.2	NA	19 D	< 0.2	7.2	2.3	< 0.2
	MW-7-15	5/20/1998	12 D	NA	58 D	< 0.4	27 D	7.3	< 0.28
	MW-7-16	8/12/1998	10	6.4	150 D	< 0.6	82 D	26	< 1.0
	MW-7-17	11/9/1998	15 D	0.2	8.6	< 0.2	2.8	0.4	< 0.4
	MW-7-18	2/24/1999	5.2	< 0.2	2.7	< 0.2	1.1	< 0.2	< 0.2
	MW-7-19	6/8/1999	8.0	1.1	30 E	< 0.2	20 E	< 4.1	< 0.3
	MW-7-20	8/25/1999	9.4	2.1	51	< 0.6	39	7.7	< 0.6
	MW-7-21	11/22/1999	14.0	< 0.2	4.8	< 0.2	1.4	< 0.2	< 0.3
	MW-7-200	2/2/2000	11.0	0.2	9.6	< 0.2	2.1	< 0.2	< 0.2
	MW-7-0500	5/23/2000	8.7	1.6	43	< 0.2	22	4.6	< 0.2
	MW-7-0800	8/29/2000	10.0	1.8	45	< 1	27	8.2	< 1
	MW-7-1100	11/28/2000	13	< 0.2	2.9	< 0.2	1.9	< 0.2	< 0.2
	MW-7-0201	2/20/2001	13	0.2	7.6	< 0.2	3.4	0.3	< 0.4
	MW-7-0501	5/24/2001	12 D	0.9	22 D	< 0.6	14 D	2.6 D	< 0.6
	MW-7-0801	8/27/2001	14.0	0.9	16	< 0.6	14	3.9	< 0.6
	MW-20-0801 (Dup)	8/27/2001	14	0.8	17	< 0.6	14	4	< 0.6
	MW-7-1101	11/5/2001	16 D	0.2	6.6	< 0.2	6.5	0.9	< 0.2
	MW-7-0202	2/21/2002	16.0	0.3	5	< 0.2	5.1	0.5	< 0.3
	MW-7-0502	5/23/2002	13.0 D	0.6	11 D	< 0.2	12 D	2.1 D	< 0.3 J
	MW-7-0802	8/14/2002	11.0	1.9	35 D	< 0.5	42 D	12	< 0.4
	MW-7-1202	12/3/2002	19.0 D	< 1	11 D	0.056 b	9.8 D	< 1	< 0.31 b
	MW-20-1202 (Dup)	12/3/2002	18.0 D	< 1	11 D	0.057 b	11 D	1.2 D	< 0.31 b
	MW-7-0203	2/26/2003	14.0	0.7	13	< 0.1 bUB	14 D	2.1	< 0.32 b
MW-7-0503	5/28/2003	11.0	1.4	24 D	< 0.25 b	23 D	5.5	< 0.41 b	
MW-20-0503 (Dup)	5/28/2003	11.0	1.4	22 D	< 0.26 b	22 D	5.4	< 0.4 b	
MW-7-0803	8/20/2003	8.2	0.4	11	< 0.031 b	6.9	0.4	< 0.21 b	
MW-7-1103	11/20/2003	0.8 b	< 0.2	1.5	< 0.02 b	2.8	< 0.2	< 0.02 b	
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-8S* (Shallow)	MW-8-4	2/25/1994	< 5.0	NA	160	< 5.0	30	< 5.0	< 10
	MW-8-5	6/21/1994	< 5.0	NA	370	< 5.0	71	< 5.0	< 10
	MW-8-6	11/3/1994	< 5.0	NA	230	< 5.0	36	< 5.0	< 10
	MW-8-7	6/15/1995	< 5.0	NA	130	< 5.0	37	< 5.0	< 10
	MW-8-8	9/27/1995	1.0	NA	140	< 0.5	33	< 0.5	< 0.5
	MW-8-9	8/13/1996	2.3	NA	97 D	< 0.2	53 D	3.2	< 0.2
	MW-20 (Dup)	8/13/1996	2.3	NA	77 D	< 0.2	29 D	3.0	< 0.2
	MW-8-10	11/21/1996	5.4	NA	100	< 0.2	40	7.8	< 0.2
	MW-8-11	4/17/1997	4.9	NA	96 D	< 0.4	41 D	17 E	< 0.2
	MW-8-12	7/21/1997	30 D	NA	180 D	< 0.4	72 D	32 D	0.6
	MW-8-13	11/19/1997	90 D	NA	67 D	< 0.4	42 D	33 D	8.3
	MW-20-2 (Dup)	11/19/1997	85 D	NA	66 D	< 0.4	40 D	31 D	8.6
	MW-8-14	2/24/1998	9.7 D	NA	130 D	< 0.2	49 D	19 D	0.27
	MW-8-15	5/20/1998	8	NA	170 D	< 0.4	60 D	22 D	0.26
	MW-8-16	8/12/1998	9.7	8.6	210 D	< 0.2	93 D	32 D	0.70
	MW-8-17	11/9/1998	24 D	5.7	170 D	< 0.2	87 D	65 D	0.30
	MW-20-17 (Dup)	11/9/1998	22 D	< 0.2	170 D	< 0.2	86 D	61 D	0.30
	MW-8-18	2/24/1999	60	5.2	260 D	< 1.0	83	51	< 2.0
	MW-8-19	6/8/1999	8.3	5.8	210	< 1.0	97	39	< 1.0
	MW-8-20	8/25/1999	4.5	3.2	97	< 3.0	52	14	< 3.0
	MW-8-21	11/22/1999	5.7	3.8	120	< 1.0	70	16	< 1.0
	MW-8-200	2/2/2000	10	8.1	260	< 2.0	110	39	< 2.0
	MW-8-0500	5/23/2000	27	2.1	40	< 1.0	74	28	< 1.0
	MW-8-0800	8/29/2000	22	1.2	16	< 1.0	68	62	< 1.0
	MW-8-1100	11/28/2000	18	1.7	34	< 0.2	56	30	< 0.2
	MW-8-0201	2/20/2001	16 D	2.7	73 D	< 2	71 D	32 D	< 2
	MW-8-0501	5/24/2001	14 D	3.7	69 D	< 2	65 D	33 D	< 2
	MW-8-0801	8/27/2001	13	1.6	27	< 1	80	43	< 1.00
	MW-8-1101	11/5/2001	12	1.2	18 D	< 0.2	80 D	54 D	< 0.20
	MW-8-0202	2/21/2002	5.7	1.9	32 D	< 0.2	59 D	30 D	< 0.20
	MW-8-0502	5/23/2002	10 D	1.7 J	21 D	< 2.0	78 D	42 D	< 2.0
	MW-20-0502 (Dup)	5/23/2002	9.9 D	1.6 J	20 D	< 3.0	74 D	40 D	< 3.0
	MW-8-0802	8/14/2002	12	0.8	10	< 0.2	82 D	37 D	< 0.2
MW-8-1202	12/3/2002	9 D	< 2	14 D	0.1 b	75 D	41 D	0.0 b	
MW-8-0203	2/26/2003	5.9	< 2	28	< 0.1 bUB	71	28	0.0 b	
MW-8-0503	5/28/2003	4.6	< 2	27	0.1 b	72	30	0.1 b	
MW-8-0803	8/20/2003	4.8	< 2	24	0.1 b	49	17	0.1 b	
MW-8-1103	11/21/2003	2	0.3	6.5	< 0.0 b	3.1	< 0.2	0.0 b	
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-9 (Shallow)	MW-9-4	2/25/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-9-5	6/21/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-9-6	11/3/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-9-7	6/15/1995	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-9-8	9/27/1995	0.5	NA	< 0.6	< 0.5	< 0.5	< 0.5	< 0.5
	MW-9-9	8/13/1996	< 0.2	NA	0.4	< 0.2	< 0.2	< 0.2	< 0.2
	MW-9-10	11/20/1996	< 0.2	NA	0.5	< 0.2	< 0.2	< 0.2	< 0.2
	MW-9-11	4/17/1997	< 0.4	NA	0.6	< 0.4	< 0.4	< 0.4	< 0.2
	MW-9-12	7/21/1997	< 0.4	NA	0.6	< 0.4	< 0.4	< 0.4	< 0.2
	MW-9-13	11/19/1997	< 0.4	NA	0.2 J	< 0.4	< 0.4	< 0.4	< 0.2
	MW-9-14	2/24/1998	< 0.2	NA	0.46	< 0.2	< 0.2	< 0.4	< 0.2
	MW-9-15	5/20/1998	< 0.4	NA	0.52	< 0.4	< 0.4	< 0.4	< 0.2
	MW-9-16	8/12/1998	< 0.2	< 0.2	0.70	< 0.2	< 0.2	< 0.2	< 0.2
	MW-9-17	11/9/1998	< 0.2	< 0.2	0.80	0.2	< 0.2	< 0.2	< 0.2
	MW-9-18	2/24/1999	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW9-19	6/8/1999	< 0.2	< 0.2	1.0	< 0.2	0.2	< 0.2	< 0.2
	MW9-20	8/25/1999	< 0.2	< 0.2	1.0	< 0.2	0.3	< 0.2	< 0.2
	MW9-21	11/22/1999	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-9-200	2/2/2000	< 0.2	< 0.2	1.3	< 0.2	1.3	< 0.2	< 0.2
	MW-9-0500	5/23/2000	< 0.2	< 0.2	1.2	< 0.2	1.1	< 0.2	< 0.2
	MW-9-0800	8/29/2000	< 0.2	< 0.2	1.1	< 0.2	1.4	< 0.2	< 0.2
	MW-9-1100	11/28/2000	< 0.2	< 0.2	0.2	< 0.2	0.3	< 0.2	< 0.2
	MW-9-0201	2/20/2001	< 0.2	< 0.2	0.40	< 0.2	0.8	< 0.2	< 0.2
	MW-9-0501	5/24/2001	< 0.2	< 0.2	0.50	< 0.2	0.8	< 0.2	< 0.2
	MW-9-0801	8/27/2001	< 0.2	< 0.2	0.80	< 0.2	0.8	< 0.2	< 0.2
	MW-9-1101	11/5/2001	< 0.2	< 0.2	0.7	< 0.2	1.2	< 0.2	< 0.2
	MW-9-0202	2/21/2002	< 0.2	< 0.2	0.3	< 0.2	0.7	< 0.2	< 0.2
	MW-9-0502	5/23/2002	< 0.2	< 0.2	0.4	< 0.2	1	< 0.2	< 0.2
	MW-9-0802	8/14/2002	< 0.2	< 0.2	0.2	< 0.2	0.5	< 0.2	< 0.2
	MW-9-0203	2/26/2003	< 0.02 b	< 0.2	< 0.2	< 0.05 b	0.3	< 0.2	< 0.02 b
	MW-9-0803	8/20/2003	< 0.02 b	< 0.2	< 0.2	< 0.02 b	0.3	< 0.2	< 0.02 b
	Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-10 (Shallow)	MW-10-6	11/3/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-10-7	6/15/1995	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-10-8	9/27/1995	< 0.5	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	MW-10-9	8/13/1996	< 0.2	NA	< 0.2	< 0.2	< 0.3	< 0.2	< 0.2
	MW-10-9-Dup	8/13/1996	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-10	11/20/1996	< 0.2	NA	< 0.2	< 0.2	< 0.3	< 0.2	< 0.2
	MW-10-11	4/17/1997	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	MW-10-12	7/21/1997	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	MW-10-13	11/19/1997	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	MW-10-14	2/24/1998	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.4	< 0.2
	MW-10-15	5/20/1998	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	MW-10-16	8/12/1998	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-17	11/9/1998	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-18	2/24/1999	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-19	6/8/1999	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-20	8/25/1999	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-21	11/22/1999	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-200	2/2/2000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-0500	5/23/2000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-0800	8/29/2000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2	< 0.2
	MW-10-1100	11/28/2000	< 0.2	0.3	3.9	< 0.2	0.5	< 0.2	< 0.2
	MW-10-0201	2/20/2001	< 0.2	< 0.2	2.1	< 0.2	0.4	< 0.2	< 0.2
	MW-10-0501	5/24/2001	< 0.2	< 0.2	1.3	< 0.2	0.3	< 0.2	< 0.2
	MW-10-0801	8/27/2001	< 0.2	< 0.2	0.8	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-1101	11/5/2001	< 0.2	< 0.2	0.7	< 0.2	0.2	< 0.2	< 0.2
	MW-10-0202	2/21/2002	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-0502	5/23/2002	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-10-0802	8/14/2002	< 0.2	< 0.2	< 0.2	< 0.2	0.2	< 0.2	< 0.2
	MW-10-0203	2/26/2003	0.031 b	< 0.2	< 0.2	< 0.05 b	< 0.2	< 0.2	< 0.02 b
	MW-10-0803	8/21/2003	< 0.02 b	< 0.2	< 0.2	< 0.02 b	< 0.2	< 0.2	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-11 (Shallow)	MW-11-6	11/3/1994	< 5.0	NA	< 5.0	< 5.0	37	< 5.0	< 10
	MW-11-7	6/15/1995	< 5.0	NA	14	< 5.0	31	< 5.0	< 10
	MW-11-8	9/27/1995	< 0.5	NA	20	< 0.5	40	< 0.5	< 0.5
	MW-11-8-Dup	9/27/1995	< 0.5	NA	15	< 0.5	39	< 0.5	< 0.5
	MW-11-9	8/13/1996	0.38	NA	10 E	< 0.2	32 E	< 0.2	< 0.2
	MW-11-10	11/20/1996	< 0.2	NA	8.8	< 0.2	31	< 0.2	< 0.2
	MW-11-11	4/17/1997	< 0.4	NA	3.3	< 0.4	7.5	< 0.4	< 0.2
	MW-11-12	7/21/1997	< 0.4	NA	3.7	< 0.4	8.4	< 0.4	< 0.2
	MW-11-13	11/19/1997	0.25 J	NA	7.1	< 0.4	13 D	< 0.4	< 0.2
	MW-11-14	2/24/1998	0.27	NA	5.4	< 0.2	13 D	< 0.4	< 0.2
	MW-11-15	5/20/1998	0.26	NA	4.4	< 0.4	9.8	< 0.4	< 0.2
	MW-11-16	8/12/1998	0.30	0.70	6.7	< 0.2	14 D	< 0.2	< 0.2
	MW-11-17	11/9/1998	0.40	2.00	11 D	< 0.2	18 D	< 0.2	< 0.2
	MW-11-18	2/24/1999	0.90 J	0.9 J	8.6	< 1.0	13	< 1.0	< 2.0
	MW-11-19	6/8/1999	< 1.0	< 1.0	6.9	< 1.0	11	< 1.0	< 1.0
	MW-11-20	8/25/1999	0.40	0.80	8.2	< 0.2	14	< 0.2	< 0.2
	MW-11-21	11/22/1999	< 1.00	3.40	15	< 1	21	< 1	< 1
	MW-11-200	2/2/2000	0.80	1.60	9.8	< 0.6	22	< 0.6	< 0.6
	MW-11-0500	5/23/2000	< 1.00	< 1.00	3.8	< 1	9.8	< 1	< 1
	MW-11-0800	8/29/2000	< 1.00	< 1.00	4.1	< 1	13	< 1	< 1
	MW-11-1100	11/28/2000	< 0.2	0.3	1.9	< 0.2	8.4	< 0.2	< 0.2
	MW-11-0201	2/20/2001	< 0.60	< 0.60	2.7 D	< 0.6	9.6 D	< 0.6	< 0.6
	MW-11-0501	5/24/2001	< 0.20	0.60	4.2	< 0.2	11	< 0.2	< 0.2
	MW-11-0801	8/27/2001	< 0.20	0.9	6.8	< 0.2	15	< 0.2	< 0.2
	MW-11-1101	11/5/2001	< 0.2	1.0	10	< 0.2	15 D	< 0.2	< 0.2
	MW-11-0202	2/21/2002	0.30	1.10	12	< 0.2	14	< 0.2	< 0.2
	MW-11-0502	5/23/2002	0.20	0.90	13	< 0.2	15	< 0.2	< 0.2
	MW-11-0802	8/14/2002	0.20	1.30	17 D	< 0.2	15	< 0.2	< 0.2
	MW-11-1202	12/3/2002	0.34 b	1.90	35 D	< 0.05 b	17 D	< 0.2	0.34 b
	MW-11-0203	2/26/2003	0.33 b	2.20	29	< 0.05 b	13	< 1	0.28 b
	MW-11-0503	5/28/2003	0.19 b	1.40	19 D	< 0.05 b	7.6	< 0.2	0.15 b
MW-11-0803	8/21/2003	0.40 b	2.60	40	< 0.02 b	9.9	< 1	0.29 b	
MW-11-1103	11/20/2003	0.59 b	8.60	63	< 0.02 b	34	< 1	0.61 b	
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
MW-12 (Shallow)	MW-12-6	11/3/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-12-7	6/15/1995	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	MW-12-8	9/27/1995	< 0.5	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	MW-12-9	8/13/1996	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-10	11/20/1996	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-11	4/17/1997	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	MW-12-12	7/21/1997	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	MW-12-13	11/19/1997	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	MW-12-14	2/24/1998	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.4	< 0.2
	MW-12-15	5/20/1998	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	MW-12-16	8/12/1998	< 0.2	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-17	11/9/1998	< 0.2	< 0.20	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-18	2/24/1999	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-19	6/8/1999	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-20	8/25/1999	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-21	11/22/1999	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-200	2/2/2000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-0500	5/23/2000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-0800	8/29/2000	0.3	< 0.2	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-1100	11/28/2000	0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-0201	2/20/2001	0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-0501	5/24/2001	0.2	< 0.20	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-0801	8/27/2001	0.2	< 0.20	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-1101	11/5/2001	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-0202	2/21/2002	0.2	< 0.2	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-0502	5/23/2002	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-0802	8/14/2002	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	MW-12-0203	2/26/2003	< 0.02 b	< 0.2	< 0.2	< 0.05 b	< 0.2	< 0.2	< 0.02 b
	MW-12-0803	8/21/2003	< 0.02 b	< 0.2	< 0.2	< 0.02 b	< 0.2	< 0.2	< 0.02 b
	MW-13 (Shallow)	MW-13-0203	2/26/2003	0.1 b	< 0.2	< 0.2	< 0.1 b	< 0.2	< 0.2
MW-20-0203 (Dup)		2/26/2003	0.1 b	< 0.2	< 0.2	< 0.1 b	< 0.2	< 0.2	0.059 b
MW-13-0503		5/28/2003	0.091 b	< 0.2	< 0.2	< 0.05 b	< 0.2	< 0.2	0.055 b
MW-13-0803		8/20/2003	0.068 b	< 0.2	< 0.2	< 0.02 b	< 0.2	< 0.2	0.03 b
MW-13-1103		11/20/2003	0.054 b	< 0.2	< 0.2	< 0.02 b	< 0.2	< 0.2	0.11 b
MW-25-1103 (Dup)		11/20/2003	0.054 b	< 0.2	< 0.2	< 0.02 b	< 0.2	< 0.2	0.12 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
MW-14M* (Intermediate)	MW-14S-0803	8/21/2003	0.8 b	15.0	78.0	< 0.0 b	83.0	< 0.2	1.2 b
	MW-20-0803 (Dup)	8/21/2003	0.9 b	13.0	98.0	< 0.0 b	110.0	< 1.0	1.2 b
	MW-14S-1103	11/20/2003	1.2 b	12.0	98	< 0.02 b	140	< 1	1 b
MW-14D (Deep)	MW-14D-0803	8/21/2003	0.1 b	0.5	3.2	< 0.0 b	3.9	< 0.2	0.04 b
	MW-14D-1103	11/20/2003	< 0.0 b	< 0.2	0.7	< 0.0 b	1.0	< 0.2	0.027 b
MW-15M* (Intermediate)	MW-15S-0803	8/21/2003	0.8 b	3.5	61.0	< 0.0 b	90.0	< 0.2	0.16 b
	MW-15S-1103	11/21/2003	0.6 b	2.5	50.0	< 0.0 b	140.0	< 1.0	0.14 b
MW-15D (Deep)	MW-15D-0803	8/21/2003	0.5 b	1.2	66.0	< 0.0 b	14.0	< 0.2	0.44 b
	MW-15D-1103	11/21/2003	0.2 b	< 1.0	42.0	< 0.0 b	< 1.0	< 1.0	0.36 b
MW-16M* (Intermediate)	MW-16S-0803	8/21/2003	< 0.0 b	< 0.2	< 0.2	< 0.0 b	< 0.2	< 0.2	< 0.02 b
	MW-16S-1103	11/21/2003	< 0.0 b	< 0.2	< 0.2	< 0.0 b	< 0.2	< 0.2	< 0.02 b
MW-16D (Deep)	MW-16D-0803	8/21/2003	< 0.0 b	< 0.2	< 0.2	< 0.0 b	< 0.2	< 0.2	< 0.02 b
	MW-16D-1103	11/21/2003	< 0.0 b	< 0.2	< 0.2	< 0.0 b	< 0.2	< 0.2	< 0.02 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene	trans 1,2-Dichloro-ethylene	cis 1,2-Dichloro-ethylene	Tetrachloro-ethylene	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane	Vinyl Chloride
OTHER	RE-051192	5/11/1992	< 1.0	NA	< 1.0	< 1.0	< 1.0	0.8 J	< 2.0
	FB-2	9/17/1992	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	NA
	RB	4/8/1993	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	RB-4	2/25/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	RB-5	6/21/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	Decon Blank	6/16/1995	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	Decon Blank	9/27/1995	< 0.5	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	TB-051192	5/11/1992	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	Trip Blank	9/17/1992	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	NA
	TB	4/8/1993	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	TB-4	2/25/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	TN-5	6/21/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	TB-6	11/3/1994	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	TB-7	6/16/1995	< 5.0	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	TB-8	6/16/1995	< 0.5	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	TB-9	8/13/1996	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	11/21/1996	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	4/17/1997	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	Trip Blank	7/21/1997	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	Trip Blank	7/21/1997	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	Trip Blank	2/24/1998	< 0.2	NA	< 0.4	< 0.2	< 0.2	< 0.4	< 0.2
	Trip Blank	5/20/1998	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2
	Trip Blank	8/12/1998	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Field Blank	11/9/1998	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	11/9/1998	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	2/24/1999	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	6/8/1999	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	8/25/1999	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	11/22/1999	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	2/2/2000	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	5/23/2000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	8/29/2000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	11/28/2000	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	2/20/2001	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	5/24/2001	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	8/27/2001	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	11/5/2001	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	2/21/2002	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	5/23/2002	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	8/14/2002	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	Trip Blank	12/3/2002	< 0.02 b	< 0.2	< 0.2	< 0.05 b	< 0.2	< 0.2	< 0.02 b
	Trip Blank	2/26/2003	< 0.02 b	< 0.2	< 0.2	0.073 b	< 0.2	< 0.2	< 0.02 b
	Trip Blank	5/28/2003	< 0.02 b	< 0.2	< 0.2	0.05 b	< 0.2	< 0.2	< 0.02 b
	Trip Blank	8/20-21/2003	< 0.02 b	< 0.2	< 0.2	0.05 b	< 0.2	< 0.2	< 0.02 b
	Trip Blank	11/20-21/2003	< 0.02 b	< 0.2	< 0.2	0.02 b	< 0.2	< 0.2	< 0.02 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

Notes:

All results in µg/L.

1992 to 1995 analyses by EPA Method 8240; 1996 to present analyses by EPA Method 8260.

Italicized data were collected prior to startup of the hydraulic-containment and groundwater-recovery system.

December 2002 results for vinyl chloride; 1,1-DCE and PCE are by EPA Method 8260 SIM.

a - Federal Register 1990 as cited in IRIS, 1994.

b - Analysis by SIM method.

B - This compound also detected in associated blank.

D - The reported result for this analyte is calculated based on a secondary dilution factor (i.e., results were derived from a laboratory-diluted sample).

E - The concentration of this analyte exceeded the instrument calibration range.

J - The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

UB - Analyte was detected in the associated trip blank. Based on data validation, sample result was reclassified as not detected.

NA - Not Applicable.

* - Well renamed with "S" or "M" suffix to denote shallow or intermediate well, as appropriate.