November 2017 Groundwater Sampling Results

This Quarterly Groundwater Monitoring Report discusses the sampling methods and results for the November 2017 sampling event at the former General Electric (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 November 29, 2017 through December 1, 2017. 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-4, MW-8S	MW-8M	None
Liberty Ridge Building	MW-11	MW-14M	MW-14D
Downgradient of 1st Avenue South	MW-21S	MW-15M, MW-16M	MW-15D, MW-16D

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 November 2017 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 quarterly 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.

November 2017 Groundwater Results

All monitoring wells were gauged on November 29, 2017. Groundwater elevations are summarized in Table 1. Historical 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 (approximately 0.002 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 Cleanup Action Plan (CAP) and Consent Decree (CD) development. The CAP and CD were formally approved on March 31, 2014; 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 November 2017 and previous sampling events dating back to 2011, as well as the current cleanup levels, are summarized on Table 3. Historical (pre-2011) 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 2012 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-4, MW-8S, MW-11, and MW-21S are screened across the water table to a total depth of 15 to 20 feet bgs.

- Intermediate Wells – MW-8M, MW-14M, MW-15M, and MW-16M are screened 25 to 30 feet bgs.

- Deep Wells – MW-14D, MW-15D, and MW-16D are screened from 45 to 55 feet bgs.

VOC Results - Former GE Building

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

- Detected TCE concentrations in groundwater from shallow monitoring wells ranged from 0.703 µg/L (MW-8S) to 5.74 µg/L (MW-4). TCE was not detected in the only intermediate/deep well (MW-8M).

- 1,1-DCE was only detected in shallow groundwater at well MW-4 (0.77 µg/L); 1,1-DCE was not detected in intermediate/deep groundwater.

- PCE concentrations in groundwater were detected only in two shallow monitoring wells; MW-1 (0.644 µg/L), and MW-4 (0.478 µg/L). PCE was not detected in intermediate/deep groundwater.

- 1,1,1-Trichloroethane (1,1,1-TCA) concentrations in groundwater were detected in only two shallow monitoring wells; MW-1 (1.20 µg/L) and MW-4 (2.72 µg/L). 1,1,1-TCA was not detected in intermediate/deep groundwater.

- Trans-1,2-Dichloroethylene (trans 1,2-DCE) was not detected in shallow or in intermediate/deep groundwater.

- cis-1,2-Dichloroethylene (cis 1,2-DCE) was not detected in shallow or in intermediated/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.

TCE was detected in groundwater from shallow monitoring well MW-11 at a concentration of 10.8 µg/L, which exceeded the Shallow Site-Specific Cleanup Level of 6.6 µg/L. Detected TCE concentrations in intermediate/deep groundwater ranged from 0.0826 µg/L (MW-14D) to 25 µg/l (MW-14M), which are below the Deeper Site-Specific Cleanup Level of 30 µg/L.

1,1-DCE was detected in groundwater from shallow monitoring well MW-11 at a concentration 2.72 µg/L, which is below the Shallow Site-Specific Cleanup Level of 3.2 µg/L. 1,1-DCE was also detected in groundwater from intermediate/deep monitoring well MW-14M at a concentration of 11.1 µg/L, which exceeds the Deeper Site-Specific Cleanup Level of 3.2 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.
- trans 1,2-DCE was detected in groundwater from shallow monitoring well MW-11 at a concentration of 19.7 µg/L, and in intermediate/deep monitoring well MW-14M at a concentration of 95.9 µg/L.
- cis 1,2-DCE was detected in groundwater from shallow monitoring well MW-11 at a concentration of 77.4 µg/L. cis 1,2-DCE concentrations in intermediate/deep groundwater ranged from 2.40 µg/L (MW-14D) to 188 µg/L (MW-14M).
- VC was detected in groundwater from shallow monitoring well MW-11 at a concentration of 0.789 µg/L. VC concentrations in intermediate/deep groundwater ranged from 0.111 µg/L (MW-14D) to 1.11 µg/L (MW-14M).

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 detected in shallow groundwater at well MW-21S at a concentration of 1.77 µg/L, which did not exceed the Shallow Site-Specific Cleanup Level of 6.6 µg/L. TCE concentrations in groundwater from intermediate/deep monitoring wells ranged from 0.0221 µg/L (MW-16D) to 38.6 µg/L (MW-15M); the TCE concentration in groundwater from well MW-15M (38.6 µg/L) exceeded 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 (0.59 µg/L) and MW-15D (0.43 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 (1.29 µg/L) and MW-15D (5.34 µg/L).

- cis 1,2-DCE was detected in shallow groundwater at well MW-21S (0.63 µg/L), and in groundwater from intermediate/deep monitoring wells at MW-15M (13.3 µg/L), MW-15D (66.7 µg/L).

- VC was not detected in shallow groundwater, but was detected in groundwater from intermediate/deep monitoring wells at MW-15M (0.0975 µg/L), MW-15D (0.626 µg/L), and MW-16D (0.0238 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 5 and 6 of the Data Validation Report. 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.

November 2017 Groundwater Monitoring Summary

This sampling event occurred more than 20 years after the installation of the groundwater extraction system. Results from the November 2017 sampling event are within the range of the previous sampling events. Groundwater concentrations were equal to or exceeded the Site-Specific MTCA Method B Cleanup Levels as shown below.

Shallow TCE level of 6.6 µg/L:	MW-11 (10.8 µg/L)
Deeper TCE level of 30 µg/L:	MW-15M (38.6 µg/L)
Deeper 1,1-DCE level of 3.2 µg/L:	MW-14M (11.1 µg/L)

Plans for the February 2018 Sampling Event

The next scheduled sampling event is planned for February 2018. This sampling will be an annual event and will include all the 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) 796-5971 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 2011 to Present (Historic Data in Attachment E)

Date	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8S	
	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)	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]	**18.49**		**18.29**		**17.05**		**19.62**		**18.03**		**17.87**		**20.51**		**17.76**	
					16.99	[4]										
	18.38	[5]	**18.22**	[5]	**16.87**	[5]	**19.54**	[5]	**17.92**	[5]	**17.74**	[5]	**20.38**	[5]	**17.58**	[5]
02/28/2011 [2, 3]	7.86	10.52	7.66	10.56	6.6	10.27	9.42	10.12	7.35	10.57	7.48	10.26	10.07	10.31	7.32	10.26
05/16/2011 [3]	7.69	10.69	7.49	10.73	6.47	10.40	9.3	10.24	7.05	10.87	7.38	10.36	9.95	10.43	7.24	10.34
08/09/2011 [2, 3]	8.88	9.50	8.69	9.53	7.69	9.18	10.46	9.08	8.36	9.56	8.50	9.24	11.14	9.24	8.44	9.14
11/29/2011 [2, 3]	9.20	9.18	8.96	9.26	7.93	8.94	10.74	8.80	8.69	9.23	8.81	8.93	11.42	8.96	8.72	8.86
02/14/2012 [2, 3]	8.74	9.64	8.50	9.72	7.47	9.40	10.25	9.29	8.18	9.74	8.37	9.37	10.93	9.45	8.23	9.35
05/15/2012 [2, 3]	8.31	10.07	8.13	10.09	7.13	9.74	9.87	9.67	7.87	10.05	7.97	9.77	10.86	9.52	7.85	9.73
07/31/2012 [2, 3]	8.98	9.40	8.78	9.44	7.78	9.09	10.52	9.02	8.38	9.54	8.65	9.09	11.19	9.19	8.54	9.04
11/14/2012 [2]	9.20	9.18	9.03	9.19	7.98	8.89	10.73	8.81	8.69	9.23	8.84	8.90	11.41	8.97	8.75	8.83
02/12/2013 [2]	8.03	10.35	7.85	10.37	6.87	10.00	9.68	9.86	7.53	10.39	7.75	9.99	10.30	10.08	7.65	9.93
05/22/2013 [2]	8.79	9.59	8.40	9.82	7.42	9.45	10.24	9.30	8.08	9.84	8.28	9.46	10.86	9.52	8.01	9.57
08/13/2013 [2]	9.41	8.97	9.21	9.01	8.23	8.64	10.92	8.62	8.84	9.08	9.09	8.65	11.58	8.80	8.97	8.61
11/19/2013 [2]	9.53	8.85	9.33	8.89	8.25	8.62	10.93	8.61	9.01	8.91	9.12	8.62	11.69	8.69	9.05	8.53
02/11/2014 [2]	9.51	8.87	9.34	8.88	8.26	8.61	10.93	8.61	9.02	8.90	9.14	8.60	11.68	8.70	9.02	8.56
05/13/2014 [2, 3]	8.22	10.16	8.03	10.19	7.04	9.83	9.76	9.78	7.71	10.21	7.94	9.80	10.47	9.91	7.79	9.79
08/12/2014 [2, 3]	9.35	9.03	9.18	9.04	8.14	8.73	10.90	8.64	8.83	9.09	9.00	8.74	11.59	8.79	8.90	8.68
11/11/2014 [2, 3]	9.08	9.30	8.90	9.32	7.82	9.05	10.63	8.91	8.57	9.35	8.73	9.01	11.30	9.08	8.60	8.98
02/10/2015 [2, 3]	8.20	10.18	8.00	10.22	6.98	9.89	9.82	9.72	7.70	10.22	7.83	9.91	10.48	9.90	7.74	9.84
05/27/2015 [2, 3]	8.87	9.51	8.68	9.54	7.68	9.19	10.47	9.07	8.35	9.57	8.56	9.18	11.13	9.25	8.45	9.13
08/11/2015 [2, 3]	9.65	8.73	9.48	8.74	8.44	8.43	11.23	8.31	9.13	8.79	9.29	8.45	11.90	8.48	9.19	8.39
11/23/2015 [2, 3]	9.17	9.21	8.96	9.26	7.86	9.01	10.68	8.86	8.65	9.27	8.81	8.93	11.37	9.01	8.68	8.90
02/16/2016 [2, 3]	7.39	10.99	7.18	11.04	6.16	10.71	8.99	10.55	6.88	11.04	7.09	10.65	9.64	10.74	6.96	10.62
05/10/2016 [2, 3]	8.22	10.16	8.04	10.18	7.03	9.84	9.81	9.73	7.70	10.22	7.90	9.84	10.48	9.90	7.78	9.80
08/02/2016 [2, 3]	9.16	9.22	9.02	9.20	8.06	8.81	10.79	8.75	8.12	9.80	8.85	8.89	11.48	8.90	8.78	8.80
11/21/2016 [2, 3]	8.63	9.75	8.40	9.82	7.32	9.55	10.18	9.36	8.05	9.87	8.26	9.48	10.80	9.58	8.12	9.46
02/20/2017 [2, 3]	7.24	11.14	7.04	11.18	6.08	10.79	8.92	10.62	6.73	11.19	7.08	10.66	9.60	10.78	6.89	10.69
05/22/2017 [2, 3]	7.75	10.63	7.59	10.63	6.65	10.22	9.48	10.06	7.23	10.69	7.55	10.19	10.10	10.28	7.45	10.13
08/14/2017 [2, 3]	8.95	9.43	8.81	9.41	7.80	9.07	10.54	9.00	8.48	9.44	8.63	9.11	11.20	9.18	8.55	9.03
11/29/2017 [2, 3]	9.10	9.28	8.90	9.32	7.82	9.05	10.70	8.84	8.54	9.38	8.73	9.01	11.33	9.05	8.64	8.94

Table 1. Well Gauging Data 2011 to Present (Historic Data in Attachment E)

Date	MW-8M		MW-9		MW-10		MW-11		MW-12		MW-13		MW-14M		MW-14D	
	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)	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]	**17.41** [9]		**16.67** **16.56** [5]		**17.58** **17.50** [4] **17.44** [5]		**17.67** **17.49** [5]		**17.98** **17.88** [4] **17.75** [5]		**NS** **18.38** [5]		**NS** **17.38** [5]		**NS** **16.90** [5]	
02/28/2011 [2, 3]	7.15	10.26	6.13	10.43	7.5	9.94	7.69	9.80	7.86	9.89	8.11	10.27	7.56	9.82	7.09	9.81
05/16/2011 [3]	7.08	10.33	5.98	10.58	7.38	10.06	7.57	9.92	7.8	9.95	8.01	10.37	7.46	9.92	6.99	9.91
08/09/2011 [2, 3]	8.28	9.13	7.23	9.33	8.47	8.97	8.60	8.89	8.83	8.92	9.29	9.09	8.50	8.88	8.03	8.87
11/29/2011 [2, 3]	8.55	8.86	7.44	9.12	8.74	8.70	8.90	8.59	9.14	8.61	9.47	8.91	8.78	8.60	8.29	8.61
02/14/2012 [2, 3]	8.07	9.34	6.99	9.57	8.29	9.15	8.46	9.03	8.85	8.90	8.98	9.40	8.32	9.06	7.82	9.08
05/15/2012 [2, 3]	7.70	9.71	6.66	9.90	7.95	9.49	8.10	9.39	8.31	9.44	8.71	9.67	8.01	9.37	7.53	9.37
07/31/2012 [2, 3]	8.35	9.06	7.30	9.26	8.57	8.87	8.69	8.80	8.85	8.90	9.26	9.12	8.57	8.81	8.11	8.79
11/14/2012 [2]	8.57	8.84	7.51	9.05	8.73	8.71	8.88	8.61	9.06	8.69	9.48	8.90	8.75	8.63	8.29	8.61
02/12/2013 [2]	7.48	9.93	6.39	10.17	7.67	9.77	7.83	9.66	8.01	9.74	8.39	9.99	7.71	9.67	7.27	9.63
05/22/2013 [2]	8.19	9.22	6.94	9.62	8.23	9.21	8.39	9.10	8.53	9.22	8.93	9.45	8.23	9.15	7.81	9.09
08/13/2013 [2]	8.80	8.61	7.72	8.84	8.98	8.46	9.02	8.47	9.23	8.52	9.69	8.69	8.98	8.40	8.52	8.38
11/19/2013 [2]	8.78	8.63	7.79	8.77	9.01	8.43	9.16	8.33	9.30	8.45	9.73	8.65	9.04	8.34	8.64	8.26
02/11/2014 [2]	8.86	8.55	7.82	8.74	9.04	8.40	9.15	8.34	9.35	8.40	9.74	8.64	9.06	8.32	8.58	8.32
05/13/2014 [2, 3]	7.62	9.79	6.54	10.02	7.86	9.58	8.00	9.49	8.21	9.54	8.53	9.85	7.91	9.47	7.45	9.45
08/12/2014 [2, 3]	8.73	8.68	7.70	8.86	8.91	8.53	9.00	8.49	9.23	8.52	9.63	8.75	8.93	8.45	8.45	8.45
11/11/2014 [2, 3]	8.45	8.96	7.37	9.19	8.61	8.83	8.76	8.73	9.00	8.75	9.36	9.02	8.66	8.72	8.18	8.72
02/10/2015 [2, 3]	7.58	9.83	6.45	10.11	7.80	9.64	7.97	9.52	8.21	9.54	8.50	9.88	7.89	9.49	7.38	9.52
05/27/2015 [2, 3]	8.28	9.13	7.22	9.34	8.47	8.97	8.60	8.89	8.80	8.95	9.18	9.20	8.51	8.87	8.05	8.85
08/11/2015 [2, 3]	9.02	8.39	7.98	8.58	9.15	8.29	9.28	8.21	9.49	8.26	9.93	8.45	9.17	8.21	8.72	8.18
11/23/2015 [2, 3]	8.50	8.91	7.38	9.18	8.66	8.78	8.83	8.66	9.09	8.66	9.42	8.96	8.72	8.66	8.23	8.67
02/16/2016 [2, 3]	6.80	10.61	5.67	10.89	7.08	10.36	7.27	10.22	7.52	10.23	7.71	10.67	7.17	10.21	6.71	10.19
05/10/2016 [2, 3]	7.61	9.80	6.59	9.97	7.90	9.54	8.01	9.48	8.20	9.55	8.54	9.84	7.90	9.48	7.40	9.50
08/02/2016 [2, 3]	8.63	8.78	7.65	8.91	8.81	8.63	8.87	8.62	9.10	8.65	9.53	8.85	8.75	8.63	8.38	8.52
11/21/2016 [2, 3]	7.98	9.43	6.85	9.71	8.10	9.34	8.26	9.23	8.57	9.18	8.90	9.48	8.16	9.22	7.72	9.18
02/20/2017 [2, 3]	6.74	10.67	5.58	10.98	7.02	10.42	7.22	10.27	7.50	10.25	7.65	10.73	7.11	10.27	6.66	10.24
05/22/2017 [2, 3]	7.28	10.13	6.16	10.40	7.47	9.97	7.60	9.89	7.77	9.98	8.18	10.20	7.46	9.92	7.08	9.82
08/14/2017 [2, 3]	8.36	9.05	7.38	9.18	8.60	8.84	8.71	8.78	8.92	8.83	9.28	9.10	8.59	8.79	8.15	8.75
11/29/2017 [2, 3]	8.46	8.95	7.30	9.26	8.61	8.83	8.77	8.72	9.02	8.73	9.36	9.02	8.64	8.74	8.15	8.75

Table 1. Well Gauging Data 2011 to Present (Historic Data in Attachment E)

Date	MW-15M		MW-15D		MW-16M		MW-16D		MW-17M		MW-17D		MW-18M		MW-18D	
	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)	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 16.95**	[5]	**NS 16.62**	[5]	**NS 16.68**	[5]	**NS 16.55**	[5]	**NS 17.74**	[7]	**NS 17.80**	[7]	**NS 15.76**	[7]	**NS 15.23 15.55**	[10]
02/28/2011 [2, 3]	7.62	9.33	7.26	9.36	7.8	8.88	7.55	9.00	8.38	9.36	8.43	9.37	NM	NM	6.28	9.27
05/16/2011 [3]	7.53	9.42	7.16	9.46	7.74	8.94	7.45	9.10	8.26	9.48	8.32	9.48	6.37	9.39	6.12	9.43
08/09/2011 [2, 3]	8.44	8.51	8.13	8.49	8.50	8.18	8.34	8.21	9.16	8.58	8.28	9.52	7.31	8.45	7.10	8.45
11/29/2011 [2, 3]	8.71	8.24	8.32	8.30	8.78	7.90	8.47	8.08	9.45	8.29	9.51	8.29	7.52	8.24	7.29	8.26
02/14/2012 [2, 3]	8.25	8.70	7.92	8.70	8.41	8.27	8.13	8.42	9.05	8.69	9.01	8.79	7.13	8.63	7.94	7.61
05/15/2012 [2, 3]	7.99	8.96	7.68	8.94	8.16	8.52	7.95	8.60	8.70	9.04	8.83	8.97	6.89	8.87	6.70	8.85
07/31/2012 [2, 3]	8.50	8.45	8.19	8.43	8.59	8.09	8.42	8.13	9.20	8.54	9.34	8.46	7.39	8.37	7.24	8.31
11/14/2012 [2]	8.69	8.26	8.33	8.29	8.80	7.88	8.54	8.01	9.42	8.32	9.52	8.28	7.53	8.23	7.36	8.19
02/12/2013 [2]	7.71	9.24	7.41	9.21	7.94	8.74	7.73	8.82	8.41	9.33	8.56	9.24	6.62	9.14	6.45	9.10
05/22/2013 [2]	7.93	9.02	8.25	8.37	8.41	8.27	8.21	8.34	8.95	8.79	9.08	8.72	7.16	8.60	6.91	8.64
08/13/2013 [2]	8.85	8.10	8.54	8.08	8.92	7.76	8.73	7.82	9.56	8.18	9.71	8.09	7.72	8.04	7.56	7.99
11/19/2013 [2]	8.95	8.00	8.60	8.02	9.04	7.64	8.78	7.77	9.70	8.04	9.89	7.91	7.79	7.97	7.28	8.27
02/11/2014 [2]	9.00	7.95	8.64	7.98	9.06	7.62	8.83	7.72	9.73	8.01	9.83	7.97	7.85	7.91	7.66	7.89
05/13/2014 [2, 3]	7.95	9.00	7.61	9.01	8.10	8.58	7.90	8.65	8.61	9.13	8.72	9.08	6.60	9.16	6.75	8.80
08/12/2014 [2, 3]	8.81	8.14	8.48	8.14	8.85	7.83	8.65	7.90	9.53	8.21	9.67	8.13	7.70	8.06	7.54	8.01
11/11/2014 [2, 3]	8.56	8.39	8.16	8.46	8.62	8.06	8.35	8.20	9.29	8.45	9.37	8.43	7.40	8.36	7.18	8.37
02/10/2015 [2, 3]	7.69	9.26	7.38	9.24	7.78	8.90	7.52	9.03	8.54	9.20	8.70	9.10	6.49	9.27	6.35	9.20
05/27/2015 [2, 3]	8.42	8.53	8.12	8.50	8.50	8.18	8.34	8.21	9.15	8.59	9.27	8.53	7.31	8.45	7.13	8.42
08/11/2015 [2, 3]	9.03	7.92	8.71	7.91	9.02	7.66	8.85	7.70	9.88	7.86	9.77	8.03	7.77	7.99	7.90	7.65
11/23/2015 [2, 3]	8.62	8.33	8.22	8.40	8.69	7.99	8.38	8.17	NM	NM	NM	NM	7.43	8.33	7.21	8.34
02/16/2016 [2, 3]	7.20	9.75	6.82	9.80	7.40	9.28	7.08	9.47	7.98	9.76	8.03	9.77	6.06	9.70	5.86	9.69
05/10/2016 [2, 3]	7.88	9.07	7.55	9.07	8.01	8.67	7.82	8.73	8.68	9.06	8.59	9.21	6.69	9.07	6.77	8.78
08/02/2016 [2, 3]	8.72	8.23	8.42	8.20	8.80	7.88	8.65	7.90	9.46	8.28	9.62	8.18	7.62	8.14	7.48	8.07
11/21/2016 [2, 3]	8.14	8.81	7.75	8.87	8.22	8.46	7.92	8.63	8.90	8.84	8.93	8.87	6.92	8.84	6.70	8.85
02/20/2017 [2, 3]	7.18	9.77	6.78	9.84	7.40	9.28	6.98	9.57	7.93	9.81	7.99	9.81	5.98	9.78	5.40	10.15
05/22/2017 [2, 3]	7.45	9.50	7.15	9.47	7.55	9.13	7.42	9.13	NM	NM	NM	NM	6.36	9.40	6.18	9.37
08/14/2017 [2, 3]	8.47	8.48	8.20	8.42	8.40	8.28	8.34	8.21	NM	NM	NM	NM	7.37	8.39	7.25	8.30
11/29/2017 [2, 3]	8.53	8.42	8.18	8.44	8.60	8.08	8.31	8.24	9.30	8.44	9.38	8.42	7.34	8.42	7.15	8.40

Table 1. Well Gauging Data 2011 to Present (Historic Data in Attachment E)

Date	MW-19M		MW-20M		MW-21S		RW-1		RW-2		RW-3		EPI-MW-1S		EPI-MW-1D	
	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)	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** **17.65**	[7]	**NS** **17.63**	[7]	**17.09**	[9]	**14.97** **14.82**	[5]	**15.55** **15.43**	[5]	**NS** **17.93**	[5]	**NS** **18.29**		**NS** **18.20**	
02/28/2011 [2, 3]	7.8	9.85	7.79	9.84	7.71	9.38	3.91	10.91	5.21	10.22	8.63	9.30	8.1	10.19	8.02	10.18
05/16/2011 [3]	7.71	9.94	7.65	9.98	7.62	9.47	4.14	10.68	5.6	9.83	8.58	9.35	8.05	10.24	7.96	10.24
08/09/2011 [2, 3]	8.74	8.91	8.74	8.89	8.50	8.59	5.60	9.22	7.15	8.28	9.80	8.13	9.19	9.10	9.10	9.10
11/29/2011 [2, 3]	9.04	8.61	8.98	8.65	8.81	8.28	5.95	8.87	7.56	7.87	9.86	8.07	9.46	8.83	9.38	8.82
02/14/2012 [2, 3]	8.57	9.08	7.55	10.08	8.36	8.73	5.38	9.44	7.05	8.38	9.48	8.45	8.98	9.31	8.89	9.31
05/15/2012 [2, 3]	8.23	9.42	8.21	9.42	8.09	9.00	5.05	9.77	6.71	8.72	9.03	8.90	8.62	9.67	8.55	9.65
07/31/2012 [2, 3]	8.81	8.84	8.80	8.83	8.58	8.51	5.68	9.14	7.45	7.98	9.82	8.11	9.25	9.04	9.18	9.02
11/14/2012 [2]	9.00	8.65	8.97	8.66	8.77	8.32	5.90	8.92	7.60	7.83	9.98	7.95	9.46	8.83	9.38	8.82
02/12/2013 [2]	7.93	9.72	7.96	9.67	7.82	9.27	4.82	10.00	6.52	8.91	9.05	8.88	8.37	9.92	8.30	9.90
05/22/2013 [2]	8.45	9.20	8.48	9.15	8.34	8.75	5.34	9.48	7.05	8.38	9.78	8.15	8.86	9.43	8.84	9.36
08/13/2013 [2]	9.21	8.44	9.22	8.41	8.95	8.14	6.08	8.74	8.12	7.31	10.12	7.81	9.65	8.64	9.61	8.59
11/19/2013 [2]	9.23	8.42	9.25	8.38	9.04	8.05	6.15	8.67	8.14	7.29	9.62	8.31	9.83	8.46	9.80	8.40
02/11/2014 [2]	9.27	8.38	9.31	8.32	9.10	7.99	6.17	8.65	7.09	8.34	10.05	7.88	9.71	8.58	9.69	8.51
05/13/2014 [2, 3]	8.16	9.49	8.13	9.50	8.04	9.05	5.05	9.77	6.03	9.40	8.58	9.35	8.55	9.74	8.47	9.73
08/12/2014 [2, 3]	9.15	8.50	9.15	8.48	8.90	8.19	6.08	8.74	8.52	6.91	10.38	7.55	9.62	8.67	9.55	8.65
11/11/2014 [2, 3]	8.92	8.73	8.85	8.78	8.63	8.46	5.77	9.05	8.29	7.14	10.08	7.85	9.36	8.93	9.27	8.93
02/10/2015 [2, 3]	8.13	9.52	8.07	9.56	7.86	9.23	4.85	9.97	7.12	8.31	9.25	8.68	8.50	9.79	8.42	9.78
05/27/2015 [2, 3]	8.72	8.93	8.73	8.90	8.51	8.58	5.63	9.19	8.50	6.93	9.98	7.95	9.19	9.10	9.10	9.10
08/11/2015 [2, 3]	9.40	8.25	9.39	8.24	9.12	7.97	6.35	8.47	9.18	6.25	10.83	7.10	9.88	8.41	9.82	8.38
11/23/2015 [2, 3]	9.01	8.64	8.91	8.72	8.74	8.35	5.82	9.00	9.03	6.40	10.15	7.78	9.42	8.87	9.33	8.87
02/16/2016 [2, 3]	7.41	10.24	7.35	10.28	7.32	9.77	4.03	10.79	6.73	8.70	8.13	9.80	7.73	10.56	7.64	10.56
05/10/2016 [2, 3]	8.13	9.52	8.21	9.42	7.95	9.14	4.98	9.84	6.88	8.55	9.24	8.69	8.55	9.74	8.43	9.77
08/02/2016 [2, 3]	9.01	8.64	9.06	8.57	8.80	8.29	5.95	8.87	10.32	5.11	10.26	7.67	9.49	8.80	9.42	8.78
11/21/2016 [2, 3]	8.50	9.15	8.38	9.25	8.30	8.79	5.32	9.50	10.30	5.13	9.20	8.73	8.81	9.48	8.89	9.31
02/20/2017 [2, 3]	7.41	10.24	7.31	10.32	7.25	9.84	3.98	10.84	6.05	9.38	8.65	9.28	7.70	10.59	7.62	10.58
05/22/2017 [2, 3]	7.70	9.95	7.72	9.91	7.54	9.55	4.60	10.22	6.70	8.73	9.11	8.82	8.12	10.17	8.10	10.10
08/14/2017 [2, 3]	8.83	8.82	8.82	8.81	8.55	8.54	5.70	9.12	8.40	7.03	9.42	8.51	9.29	9.00	9.22	8.98
11/29/2017 [2, 3]	8.91	8.74	8.84	8.79	8.65	8.44	5.77	9.05	8.40	7.03	10.52	7.41	9.32	8.97	9.25	8.95

Table 1. Well Gauging Data 2011 to Present (Historic Data in Attachment E)

Date	EPI-MW-2S		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)	Depth to GW (feet)	GW Elevation (feet MLLW)
Reference Elevation:[1]	**NS 18.81**	[6]	**NS 18.83**	[6]	**NS 19.41**	[6]	**NS 19.38**	[6]	**NS 19.33**	[6]	**NS 19.33**	[6]
02/28/2011 [2, 3]	DRY		8.92	9.91	9.41	10.00	9.43	9.95	9.24	10.09	9.24	10.09
05/16/2011 [3]	DRY		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]	DRY		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]	DRY		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]	DRY		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]	DRY		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]	DRY		9.95	8.88	10.45	8.96	10.47	8.91	10.32	9.01	10.34	8.99
11/14/2012 [2]	DRY		10.16	8.67	10.64	8.77	10.67	8.71	10.55	8.78	10.54	8.79
02/12/2013 [2]	DRY		9.10	9.73	9.57	9.84	9.59	9.79	9.43	9.90	9.44	9.89
05/22/2013 [2]	DRY		9.83	9.00	10.11	9.30	10.13	9.25	9.97	9.36	9.99	9.34
08/13/2013 [2]	DRY		10.38	8.45	10.87	8.54	10.89	8.49	10.75	8.58	10.76	8.57
11/19/2013 [2]	DRY		10.39	8.44	10.89	8.52	10.90	8.48	10.76	8.57	10.78	8.55
02/11/2014 [2]	DRY		10.43	8.40	10.92	8.49	10.94	8.44	10.78	8.55	10.79	8.54
05/13/2014 [2, 3]	DRY		9.31	9.52	9.75	9.66	9.77	9.61	9.62	9.71	9.61	9.72
08/12/2014 [2, 3]	DRY		10.30	8.53	10.80	8.61	10.86	8.52	10.68	8.65	10.72	8.61
11/11/2014 [2, 3]	DRY		10.05	8.78	10.41	9.00	10.42	8.96	10.27	9.06	10.28	9.05
02/10/2015 [2, 3]	DRY		9.25	9.58	9.71	9.70	9.71	9.67	9.54	9.79	9.55	9.78
05/27/2015 [2, 3]	DRY		9.88	8.95	10.38	9.03	10.41	8.97	10.26	9.07	10.25	9.08
08/11/2015 [2, 3]	DRY		10.58	8.25	11.08	8.33	11.09	8.29	10.96	8.37	10.95	8.38
11/23/2015 [2, 3]	DRY		10.12	8.71	10.60	8.81	10.60	8.78	10.45	8.88	10.45	8.88
02/16/2016 [2, 3]	DRY		8.53	10.30	8.97	10.44	8.99	10.39	8.79	10.54	8.81	10.52
05/10/2016 [2, 3]	DRY		9.29	9.54	9.77	9.64	9.78	9.60	9.62	9.71	9.62	9.71
08/02/2016 [2, 3]	DRY		10.22	8.61	10.59	8.82	10.60	8.78	10.46	8.87	10.46	8.87
11/21/2016 [2, 3]	DRY		9.46	9.37	9.94	9.47	9.95	9.43	9.75	9.58	9.80	9.53
02/20/2017 [2, 3]	DRY		8.49	10.34	8.93	10.48	8.97	10.41	8.75	10.58	8.74	10.59
05/22/2017 [2, 3]	DRY		8.89	9.94	9.38	10.03	9.40	9.98	9.24	10.09	9.23	10.10
08/14/2017 [2, 3]	DRY		10.01	8.82	10.51	8.90	10.54	8.84	10.39	8.94	10.39	8.94
11/29/2017 [2, 3]	DRY		10.05	8.78	10.53	8.88	10.54	8.84	10.38	8.95	10.39	8.94

Table 1. Well Gauging Data 2011 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
2011 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-1-0211	03/01/2011	< 0.20	< 0.20	< 0.20	2.5 b	49	10	< 0.020 b
(Shallow)	MW-1-0511	05/17/2011	< 0.20	< 0.20	0.20	2.3 b	62	15	< 0.020 b
	MW-1-0811	08/11/2011	< 0.20	< 0.20	< 0.20	1.5 b	19	5.7	< 0.020 b
	MW-1-1111	11/30/2011	0.20	< 0.20	< 0.20	1 b	7.8	3.8	< 0.020 b
	MW-100-1111 (Dup)	11/30/2011	0.20	< 0.20	< 0.20	1.1 b	8.4	3.9	< 0.020 b
	MW-1-0212	02/15/2012	< 0.20	< 0.20	< 0.20	1.4 b	17	4.6	< 0.020 b
	MW-100-0212 (Dup)	02/15/2012	< 0.20	< 0.20	< 0.20	1.4 b	16	4.2	< 0.020 b
	MW-1-0512	05/16/2012	< 0.20	< 0.20	< 0.20	1.5 b	27	8.9	< 0.020 b
	MW-1-0812	07/31/2012	< 0.20	< 0.20	< 0.20	0.9 b	11	5	< 0.020 b
	MW-100-0812 (Dup)	07/31/2012	< 0.20	< 0.20	< 0.20	0.96 b	11	5.1	< 0.020 b
	MW-1-1112	11/14/2012	< 0.20	< 0.20	< 0.20	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	< 0.20	0.94 b	8.2	3.7	< 0.020 b
	MW-1-1113	11/20/2013	< 0.20	< 0.20	< 0.20	0.86 b	6.6	1.9	< 0.020 b
	MW-1-0214	02/13/2014	< 0.20	< 0.20	< 0.20	0.74 b	5.8 b	2.7	< 0.020 b
	MW-100-0214 (Dup)	02/13/2014	< 0.20	< 0.20	< 0.20	0.79 b	6.4 b	2.1	< 0.020 b
	MW-1-0514	05/14/2014	< 0.20	< 0.20	< 0.20	1.4 b	23	5.7	< 0.020 b
	MW-1-0814	08/13/2014	< 0.20	< 0.20	< 0.20	0.75 b	8.8	5.3	< 0.020 b
	MW-1-1114	11/12/2014	< 0.20	< 0.20	< 0.20	0.77	8	1.6	< 0.020 b
	MW-1-0215	02/12/2015	< 0.20	< 0.20	< 0.20	1.4 b	22	6.1	< 0.020 b
	MW-100-0215 (Dup)	02/12/2015	< 0.20	< 0.20	< 0.20	1.4 b	22	6.1	< 0.020 b
	MW-1-0515	05/28/2015	< 0.20	< 0.20	< 0.20	1.0 b	15	6.1	< 0.020 b
	MW-1-0815	08/12/2015	< 0.20	< 0.20	< 0.20	0.89 b	7 b	3.9	< 0.020 b
	MW-1-1115	11/24/2015	< 0.20	< 0.20	< 0.20	0.98 b	6.8 b	2.2	< 0.020 b
	MW-1-0216	02/17/2016	0.28	< 0.20	< 0.20	2.0 b	30	7.4	< 0.020 b
	MW-100-0216 (Dup)	02/17/2016	0.29	< 0.20	< 0.20	2.1 b	35	7.9	< 0.020 b
	MW-1-0516	05/11/2016	0.51 J	< 0.20	< 0.20	2.5 b	46 J	13 J	< 0.020 b
	MW-1-0816	08/04/2016	< 0.20	< 0.20	< 0.20	1.2 b	10	3.3	< 0.020 b
	MW-1-1116	11/22/2016	< 0.20	< 0.20	< 0.20	0.802 b	8.2 b	1.31	< 0.020
	MW-100-0217 (Dup)	02/22/2017	< 0.20	< 0.20 UJ	< 0.20	1.4 b	23.3	3.24	< 0.020 b
	MW-1-0217	02/22/2017	< 0.20	< 0.20	< 0.20	1.54 b	23.6	4.03	< 0.020 b
	MW-1-0517	05/23/2017	< 0.20	< 0.20	< 0.20	1.22 b	16.4 b	3.52	< 0.020 b
	MW-100-0817	08/16/2017	< 0.20	< 0.20	< 0.20	1.01 b	9.23	2.03	< 0.020 b
	MW-1-0817	08/16/2017	< 0.20	< 0.20	< 0.20	0.967 b	9.21	1.93	< 0.020 b
	MW-1-1117	11/30/2017	< 0.20	< 0.20	< 0.20	0.644 b	5.6 b	1.2	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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-2	MW-2-0211	03/01/2011	< 0.20	< 0.20	< 0.20	0.14 b	2.2 b	< 0.20	< 0.020 b
(Shallow)	MW-2-0212	02/16/2012	< 0.20	< 0.20	< 0.20	0.11 b	1.9 b	< 0.20	< 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
	MW-2-0214	02/13/2014	< 0.20	< 0.20	< 0.20	0.077 b	1.4 b	< 0.20	< 0.020 b
	MW-2-0215	02/12/2015	< 0.20	< 0.20	< 0.20	0.12 b	1.4 b	< 0.20	< 0.020 b
	MW-2-0216	02/18/2016	< 0.20	< 0.20	< 0.20	0.10 b	1.1 b	< 0.20	< 0.020 b
	MW-2-0217	02/23/2017	< 0.20	< 0.20	< 0.20	0.144 b	1.72 b	< 0.20	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000
MW-3	MW-3-0211	03/01/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	0.66 b	< 0.20	< 0.020 b
(Shallow)	MW-3-0811	08/11/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	0.65 b	< 0.20	< 0.020 b
	MW-3-0212	02/16/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	0.51 b	< 0.20	< 0.020 b
	MW-3-0812	07/31/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	0.58 b	< 0.20	< 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	< 0.20	< 0.20	< 0.20	< 0.020 b	0.5 b	< 0.20	< 0.020 b
	MW-3-0214	02/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	0.43 b	< 0.20	< 0.020 b
	MW-3-0814	08/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	0.45 b	< 0.20	< 0.020 b
	MW-3-0215	02/10/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.72 b	< 0.20	< 0.020 b
	MW-3-0815	08/11/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.52 b	< 0.20	< 0.020 b
	MW-3-0216	02/16/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.66 b	< 0.20	< 0.020 b
	MW-3-0816	08/02/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.49 b	< 0.20	< 0.020 b
	MW-3-0217	02/22/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.449 b	< 0.20	< 0.020 b
	MW-3-0817	08/15/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.398 b	< 0.20	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000
MW-4	MW-4-0211	03/03/2011	1.3	< 0.20	< 0.20	0.52 b	8.5	3.2	< 0.020 b
(Shallow)	MW-40-0211 (Dup)	03/03/2011	1.4	< 0.20	< 0.20	0.53 b	8.7	3	< 0.020 b
	MW-4-0511	05/17/2011	1.4	< 0.20	< 0.20	0.51 b	10	3.3	< 0.020 b
	MW-400-0511 (Dup)	05/17/2011	1.6	< 0.20	< 0.20	0.52 b	10	3.4	< 0.020 b
	MW-4-0811	08/11/2011	1.6	< 0.20	< 0.20	0.36 b	7	2 J	< 0.020 b
	MW-400-0811 (Dup)	08/11/2011	1.6	< 0.20	< 0.20	0.42 b	8.3	2.8 J	< 0.020 b
	MW-4-1111	11/30/2011	1.3	< 0.20	< 0.20	0.83 b	14	6.1	< 0.020 b
	MW-400-0212 (Dup)	02/16/2012	0.8	< 0.20	< 0.20	0.6 b	9.8	3.6	< 0.020 b
	MW-4-0212	02/16/2012	0.8	< 0.20	< 0.20	0.6 b	9.8	3.6	< 0.020 b
	MW-400-0512 (Dup)	05/16/2012	1.3	< 0.20	< 0.20	0.57 b	11	3.3	< 0.020 b
	MW-4-0512	05/16/2012	1.1	< 0.20	< 0.20	0.53 b	11	3.3	< 0.020 b
	MW-4-0812	08/01/2012	1.3	< 0.20	< 0.20	0.56 b	11	2.9	< 0.020 b
	MW-400-0812 (Dup)	08/01/2012	1.3	< 0.20	< 0.20	0.55 b	11	2.7	< 0.020 b
	MW-4-1112	11/15/2012	1.1	< 0.20	< 0.20	0.7 b	12	4.7	< 0.020 b
	MW-400-1112 (Dup)	11/15/2012	1.1	< 0.20	< 0.20	0.66 b	11	4.4	< 0.020 b
	MW-4-0213	02/14/2013	0.88	< 0.20	< 0.20	0.5 b	6.8	2.1	< 0.020 b
	MW-400-0213 (Dup)	02/14/2013	0.93	< 0.20	< 0.20	0.5 b	6.7	2.1	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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-4-0513	05/23/2013	0.88	< 0.20	< 0.20	0.66 b	8.7	2.7	< 0.020 b
(Shallow)	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	< 0.20	< 0.20	0.64 b	10	3.3	< 0.020 b
	MW-400-0813 (dup)	08/15/2013	1.4	< 0.20	< 0.20	0.61 b	10	3.5	< 0.020 b
	MW-4-1113	11/20/2013	1	< 0.20	< 0.20	1.3 b	24	9.9	< 0.020 b
	MW-400-1113 (dup)	11/20/2013	1	< 0.20	< 0.20	1.2 b	23	9.9	< 0.020 b
	MW-4-0214	02/13/2014	1.3	< 0.20	< 0.20	0.74 b	13	5.3	< 0.020 b
	MW-400-0214 (Dup)	02/13/2014	0.94	< 0.20	< 0.20	0.69 b	10	4.2	< 0.020 b
	MW-4-0514	05/14/2014	1.2	< 0.20	< 0.20	0.43 b	6.5	1.6	< 0.020 b
	MW-400-0514 (Dup)	05/14/2014	1.2	< 0.20	< 0.20	0.41 b	6.4	1.6	< 0.020 b
	MW-400-0814 (Dup)	08/14/2014	1.3	< 0.20	< 0.20	0.48 b	7.6	2.4	< 0.020 b
	MW-4-0814	08/14/2014	1.5	< 0.20	< 0.20	0.51 b	9.1	2.4	< 0.020 b
	MW-4-1114	11/12/2014	1.2	< 0.20	< 0.20	0.48 b	7.5	2.4	< 0.020 b
	MW-400-1114	11/12/2014	1.1	< 0.20	< 0.20	0.48 b	7.2	2.3	< 0.020 b
	MW-4-0215	02/12/2015	1	< 0.20	< 0.20	0.47	6.1	2.2	< 0.020 b
	MW-400-0215 (Dup)	02/12/2015	1	< 0.20	< 0.20	0.44	5.7	2	< 0.020 b
	MW-4-0515	05/29/2015	0.81	< 0.20	< 0.20	0.36 b	4.9	1.6	< 0.020 b
	MW-400-0515	05/29/2015	0.76	< 0.20	< 0.20	0.42 b	4.8	1.6	< 0.020 b
	MW-400-0815 (dup)	08/13/2015	0.98	< 0.20	< 0.20	0.44 b	5.8 b	1.8	< 0.020 b
	MW-4-0815	08/13/2015	1	< 0.20	< 0.20	0.4 b	5.1 b	2	< 0.020 b
	MW-400-1115 (Dup)	11/24/2015	0.91	< 0.20	< 0.20	0.48	4.9 b	2.1	< 0.020 b
	MW-4-1115	11/24/2015	0.85	< 0.20	< 0.20	0.52	4.8 b	2.3	< 0.020 b
	MW-4-0216	02/18/2016	0.85	< 0.20	< 0.20	0.55 b	5.7	1.8	< 0.020 b
	MW-400-0216 (Dup)	02/18/2016	0.84	< 0.20	< 0.20	0.54 Jb	5.6	1.8	< 0.020 b
	MW-4-0516	05/11/2016	0.97	< 0.20	< 0.20	0.47 b	5.5 b	1.6	< 0.020 b
	MW-400-0516 (Dup)	05/11/2016	1.2	< 0.20	< 0.20	0.47 J+b	5.4 J+b	1.9	< 0.020 b
	MW-400-0816 (Dup)	08/04/2016	0.97	< 0.20	< 0.20	0.4 b	6.4	2	< 0.020 b
	MW-4-0816	08/04/2016	0.99	< 0.20	< 0.20	0.54	6.4	1.9	< 0.020 b
	MW-400-1116 (Dup)	11/22/2016	0.73	< 0.20	< 0.20	0.43	5.03	1.99	< 0.020 b
	MW-4-1116	11/22/2016	0.75	< 0.20	< 0.20	0.44	5.22	2.31	< 0.020 b
	MW-400-0217 (Dup)	02/23/2017	0.57	< 0.20	< 0.20	0.377 b	4.560 b	1.47	< 0.020 b
	MW-4-0217	02/23/2017	0.58	< 0.20	< 0.20	0.407 b	4.46	1.47	< 0.020 b
	MW-400-0517	05/23/2017	0.57	< 0.20	< 0.20	0.395 b	4.72 b	1.34	< 0.020 b
	MW-4-0517	05/23/2017	0.73	< 0.20	< 0.20	0.402 b	4.78 b	1.45	< 0.020 b
	MW-400-0817	08/16/2017	0.58	< 0.20	< 0.20	0.259 b	4.33 b	1.22	< 0.020 b
	MW-4-0817	08/16/2017	0.63	< 0.20	< 0.20	0.278 b	4.45 b	1.19	< 0.020 b
	MW-400-1117	11/30/2017	0.77	< 0.20	< 0.20	0.466 b	5.74 b	2.72	< 0.020 b
	MW-4-1117	11/30/2017	0.71	< 0.20	< 0.20	0.478 b	5.73 b	2.67	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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-5-0211	03/02/2011	< 0.20	< 0.20	< 0.20	0.23 b	0.49 b	1.4	< 0.020 b
(Shallow)	MW-5-0811	08/11/2011	< 0.20	< 0.20	< 0.20	0.16 b	0.37 b	1.1	< 0.020 b
	MW-5-0212	02/16/2012	< 0.20	< 0.20	< 0.20	0.15 b	0.26 b	0.6	< 0.020 b
	MW-50-0212 (Dup)	02/16/2012	< 0.20	< 0.20	< 0.20	0.15 b	0.27 b	0.6	< 0.020 b
	MW-5-0812	07/31/2012	< 0.20	< 0.20	< 0.20	0.12 b	0.22 b	0.44	< 0.020 b
	MW-5-0213	02/12/2013	< 0.20	< 0.20	< 0.20	0.2 b	0.43 b	1.5	< 0.020 b
	MW-5-0813	08/14/2013	< 0.20	< 0.20	< 0.20	0.13 b	0.19 b	0.5	< 0.020 b
	MW-5-0214	02/13/2014	< 0.20	< 0.20	< 0.20	0.11 b	0.16 b	0.52	< 0.020 b
	MW-5-0215	02/11/2015	< 0.20	< 0.20	< 0.20	0.14 b	0.2 b	0.73	< 0.020 b
	MW-5-0815	08/13/2015	< 0.20	< 0.20	< 0.20	0.24 b	0.24 b	0.69	< 0.020 b
	MW-5-0216	02/17/2016	< 0.20	< 0.20	< 0.20	0.12 b	0.15 b	0.25	< 0.020 b
	MW-5-0816	08/04/2016	< 0.20	< 0.20	< 0.20	0.11 b	0.14 b	0.65	< 0.020 b
	MW-5-0217	02/23/2017	< 0.20	< 0.20	< 0.20	0.108 b	0.171 b	1.07	< 0.020 b
	MW-5-0817	08/16/2017	< 0.20	< 0.20	< 0.20	0.15 b	0.204 b	0.77	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000
MW-6	MW-6-0211	03/01/2011	< 0.20	< 0.20	0.20	< 0.020 b	0.79 b	< 0.20	< 0.020 b
(Shallow)	MW-6-0811	08/11/2011	< 0.20	< 0.20	< 0.20	0.021 b	1 b	< 0.20	< 0.020 b
	MW-6-0212	02/15/2012	< 0.20	< 0.20	0.20	< 0.020 b	0.78 b	< 0.20	< 0.020 b
	MW-6-0812	07/31/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	0.58 b	< 0.20	< 0.020 b
	MW-6-0213	02/12/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	0.8 b	< 0.20	< 0.020 b
	MW-6-0813	08/13/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	0.54 b	< 0.20	< 0.020 b
	MW-6-0214	02/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	0.54 b	< 0.20	< 0.020 b
	MW-6-0814	08/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	0.41 b	< 0.20	< 0.020 b
	MW-6-0215	02/11/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.52 b	< 0.20	< 0.020 b
	MW-6-0815	08/11/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.52 b	< 0.20	< 0.020 b
	MW-6-0216	02/16/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.70 b	< 0.20	< 0.020 b
	MW-6-0816	08/04/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.34 b	< 0.20	< 0.020 b
	MW-6-0217	02/21/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.487 b	< 0.20	< 0.020 b
	MW-6-0817	08/15/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.485 b	< 0.20	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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-7-0211	03/02/2011	< 0.20	< 0.20	0.4	< 0.020 b	2.6 b	< 0.20	< 0.020 b
(Shallow)	MW-7-0811	08/11/2011	< 0.20	< 0.20	2	< 0.020 b	5	< 0.20	< 0.020 b
	MW-7-0212	02/15/2012	< 0.20	< 0.20	0.2	< 0.020 b	1.5 b	< 0.20	< 0.020 b
	MW-7-0812	07/31/2012	< 0.20	< 0.20	1.2	< 0.020 b	3.3 b	< 0.20	< 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	< 0.20	< 0.20	1.2	0.022 b	3.2 b	< 0.20	< 0.020 b
	MW-7-0214	02/11/2014	< 0.20	< 0.20	0.36	< 0.020 b	2.2 b	< 0.20	< 0.020 b
	MW-7-0814	08/12/2014	< 0.20	< 0.20	0.85	< 0.020 b	2.8 b	< 0.20	< 0.020 b
	MW-7-0215	02/10/2015	< 0.20	< 0.20	< 0.2	< 0.020 b	1.5 b	< 0.20	< 0.020 b
	MW-7-0815	08/11/2015	< 0.20	< 0.20	0.84	0.022 b	2.6 b	< 0.20	< 0.020 b
	MW-7-0216	02/16/2016	< 0.20	< 0.20	0.44	< 0.020 b	2.3 b	< 0.20	< 0.020 b
	MW-7-0816	08/02/2016	< 0.20	< 0.20	1.5	0.11 b	5.7 b	< 0.20	< 0.020 b
	MW-7-0217	02/20/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	1.630 b	< 0.20	< 0.020 b
	MW-7-0817	08/16/2017	< 0.20	< 0.20	1.18	0.0783 b	4.99 b	< 0.20	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000
MW-8S*	MW-8S-0211	03/01/2011	< 0.20	< 0.20	0.3	0.029 b	6.8	< 0.20	< 0.020 b
(Shallow)	MW-8S-0511	05/17/2011	< 0.20	< 0.20	0.3	0.032 b	9.5	< 0.20	< 0.020 b
	MW-8S-0811	08/11/2011	< 0.20	< 0.20	0.5	0.038 b	12	< 0.20	< 0.020 b
	MW-80S-0811 (Dup)	08/11/2011	< 0.20	< 0.20	0.6	0.039 b	10	< 0.20	< 0.020 b
	MW-8S-1111	11/30/2011	< 0.20	< 0.20	0.7	< 0.020 b	4.1	< 0.20	< 0.020 b
	MW-8S-0212	02/15/2012	< 0.20	< 0.20	0.5	0.03 b	8	< 0.20	< 0.020 b
	MW-8S-0512	05/16/2012	< 0.20	< 0.20	0.3	0.033 b	9.3	< 0.20	< 0.020 b
	MW-8S-0812	07/31/2012	< 0.20	< 0.20	0.48	0.032 b	9.3	< 0.20	< 0.020 b
	MW-8S-1112	11/15/2012	< 0.20	< 0.20	0.45	0.024 b	5.6	< 0.20	< 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	< 0.20	0.21	2.3	0.029 b	9.7	< 0.20	< 0.020 b
	MW-8S-1113	11/19/2013	< 0.20	< 0.20	0.88	< 0.020 b	1.6 b	< 0.20	< 0.020 b
	MW-8S-0214	02/12/2014	< 0.20	< 0.20	0.83	< 0.020 b	2.6 b	< 0.20	< 0.020 b
	MW-8S-0514	05/14/2014	< 0.20	< 0.20	0.22	0.036 b	6.4	< 0.20	< 0.020 b
	MW-8S-0814	08/12/2014	< 0.20	< 0.20	0.75	< 0.020 b	1.7 b	< 0.20	< 0.020 b
	MW-8S-1114	11/12/2014	< 0.20	< 0.20	0.22	< 0.020 b	1.4 b	< 0.20	< 0.020 b
	MW-8S-0215	02/10/2015	< 0.20	< 0.20	0.22	0.026 b	5.9	< 0.20	< 0.020 b
	MW-8S-0515	05/28/2015	< 0.20	< 0.20	0.27	< 0.020 b	2.0 b	< 0.20	< 0.020 b
	MW-8S-0815	08/12/2015	< 0.20	< 0.20	0.32	< 0.020 b	1.3 b	< 0.20	< 0.020 b
	MW-8S-1115	11/24/2015	< 0.20	< 0.20	0.28 J	< 0.020 b	1.1 b	< 0.20	< 0.020 b
	MW-8S-0216	02/16/2016	< 0.20	< 0.20	0.24	< 0.020 b	5.4	< 0.20	< 0.020 b
	MW-8S-0516	05/11/2016	< 0.20	< 0.20	0.24	0.041 b	6.4 b	< 0.20	< 0.020 b
	MW-8S-0816	08/04/2016	< 0.20	< 0.20	1	< 0.02 b	3.2 b	< 0.20	< 0.020 b
	MW-8S-1116	11/22/2016	< 0.20	< 0.20	0.32	0.0332 b	5.88 b	< 0.20	< 0.020 b
	MW-8S-0217	02/21/2017	< 0.20	< 0.20	< 0.20	0.0339 b	4.49	< 0.20	< 0.020 b
	MW-8S-0517	05/22/2017	< 0.20	< 0.20	< 0.20	< 0.02 b	5.44 b	< 0.20	< 0.020 b
	MW-8S-0817	08/15/2017	< 0.20	< 0.20	0.50	0.037 J+,b	5.6	< 0.20	< 0.020 b
	MW-8S-1117	11/29/2017	< 0.20	< 0.20	< 0.20	< 0.20 b	0.703 b	< 0.20	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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-0211	03/01/2011	0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
(Intermediate)	MW-80M-0211 (Dup)	03/01/2011	0.30	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0511	05/17/2011	0.30	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0811	08/11/2011	0.30	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-1111	11/30/2011	0.30	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0212	02/15/2012	0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0512	05/16/2012	0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0812	07/31/2012	0.25	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-1112	11/15/2012	0.23	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 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	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-1113	11/20/2013	0.26	< 0.20	< 0.20	< 0.020 b	0.027 b	< 0.20	< 0.020 b
	MW-8M-0214	02/12/2014	0.26	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0514	05/14/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0814	08/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-1114	11/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0215	02/10/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0515	05/28/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0815	08/12/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.022 b	< 0.20	< 0.020 b
	MW-8M-1115	11/24/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.032 b	< 0.20	< 0.020 b
	MW-8M-0216	02/16/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0516	05/11/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.042 b	< 0.20	< 0.020 b
	MW-8M-0816	08/04/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-1116	11/22/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0203 b	< 0.20	< 0.020 b
	MW-8M-0217	02/21/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0517	05/22/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-0817	08/15/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-8M-1117	11/29/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 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
2011 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-9	MW-9-0211	03/02/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
(Shallow)	MW-9-0212	02/16/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 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
	MW-9-0214	02/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-9-0215	02/11/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-9-0216	02/16/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-9-0217	02/21/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0257 b	< 0.20	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000
MW-10	MW-100-0211 (Dup)	03/02/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	0.053 b	< 0.20	< 0.020 b
(Shallow)	MW-10-0211	03/02/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	0.06 b	< 0.20	< 0.020 b
	MW-10-0811	08/11/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	0.075 b	< 0.20	< 0.020 b
	MW-10-0212	02/15/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	0.033 b	< 0.20	< 0.020 b
	MW-10-0812	08/01/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	0.049 b	< 0.20	< 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	< 0.20	< 0.20	< 0.20	< 0.020 b	0.069 b	< 0.20	< 0.020 b
	MW-10-0214	02/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	0.076 b	< 0.20	< 0.020 b
	MW-10-0814	08/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	0.066 b	< 0.20	< 0.020 b
	MW-10-0215	02/12/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.045 b	< 0.20	< 0.020 b
	MW-10-0815	08/13/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.085 b	< 0.20	< 0.020 b
	MW-10-0216	02/18/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.076 b	< 0.20	< 0.020 b
	MW-10-0816	08/03/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.066 b	< 0.20	< 0.020 b
	MW-10-0217	02/23/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0457 b	< 0.20	< 0.020 b
	MW-10-0817	08/15/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0852 b	< 0.20	< 0.020 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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-11-0211	03/02/2011	0.20	1.4	8	< 0.020 b	5.4	< 0.20	0.092 b
(Shallow)	MW-11-0511	05/17/2011	< 0.20	1.2	7	< 0.020 b	4.4	< 0.20	0.052 b
	MW-11-0811	08/11/2011	0.4	1.9	14	< 0.020 b	5	< 0.20	0.100 b
	MW-11-1111	11/30/2011	0.5	3.1	18	< 0.020 b	7.5	< 0.20	0.220 b
	MW-11-0212	02/15/2012	0.4	2.7	16	< 0.020 b	6.2	< 0.20	0.180 b
	MW-110-0512 (Dup)	05/16/2012	0.20	1.8	10	< 0.020 b	4.1 b	< 0.20	0.093 b
	MW-11-0512	05/16/2012	0.20	1.9	10	< 0.020 b	4 b	< 0.20	0.085 b
	MW-11-0812	08/02/2012	0.38	2.5	13	< 0.020 b	6	< 0.20	0.110 b
	MW-110-0812 (Dup)	08/02/2012	0.41	2.7	14	< 0.020 b	6.3	< 0.20	0.130 b
	MW-11-1112	11/15/2012	0.76	5.3	24	< 0.020 b	9.6	< 0.20	0.220 b
	MW-11-0213	02/13/2013	0.52	4.3	17	< 0.020 b	6.4	< 0.20	0.200 b
	MW-11-0513	05/23/2013	0.42	3.8	15	< 0.020 b	5.5	< 0.20	0.140 b
	MW-11-0813	08/14/2013	0.93	7.2	25	< 0.020 b	8.5	< 0.20	0.280 b
	MW-11-1113	11/20/2013	1.6	12	40	< 0.020 b	11	< 0.20	0.330 b
	MW-110-1113 (Dup)	11/20/2013	1.8	13	44	< 0.020 b	12	< 0.20	0.360 b
	MW-11-0214	02/13/2014	1.6 J	11	39	< 0.020 b	9.6 b	< 0.20	0.360 b
	MW-110-0214 (Dup)	02/13/2014	1.1 J	8.7	31	< 0.020 b	9.6 b	< 0.20	0.350 b
	MW-11-0514	05/14/2014	1.2	8.9	29	< 0.020 b	7.5	< 0.20	0.380 b
	MW-110-0814 (Dup)	08/14/2014	1.3	9.3	33	< 0.020 b	8.5	< 0.20	0.420 b
	MW-11-0814	08/14/2014	1.4	10	36	< 0.020 b	9.2	< 0.20	0.430 b
	MW-11-1114	11/12/2014	1.4	11	37	< 0.020 b	11	< 0.20	0.610 b
	MW-110-0215 (Dup)	02/11/2015	1.6	12	43	< 0.020 b	10	< 0.20	0.570 b
	MW-11-0215	02/11/2015	1.7	13	46	< 0.020 b	11	< 0.20	0.550 b
	MW-11-0515	05/28/2015	1.0	7.2	30	< 0.020 b	5.6	< 0.20	0.350 b
	MW-110-0815 (Dup)	08/13/2015	1.7	11	38	< 0.020 b	8.9 b	< 0.20	0.59 b
	MW-11-0815	08/13/2015	1.7	11	38	< 0.020 b	9.3 b	< 0.20	0.59 b
	MW-11-1115	11/24/2015	3.2	18	70	< 0.020 b	10	< 0.20	0.78 b
	MW-11-0216	02/18/2016	1.2	9.8	37	< 0.020 b	9.2	< 0.20	0.71 b
	MW-110-0216 (Dup)	02/18/2016	1.3	10	36	< 0.020 b	9.4	< 0.20	0.64 b
	MW-11-0516	05/11/2016	0.56	4.6	18	< 0.020 b	5.4 b	< 0.20	0.130 b
	MW-110-0816 (Dup)	08/04/2016	1.3	7.9	39	< 0.020 b	7.4	< 0.20	0.33 b
	MW-11-0816	08/04/2016	1.3	8.1	39	< 0.020 b	7.4	< 0.20	0.300 b
	MW-11-1116	11/22/2016	1.68	11.5	49.8	< 0.020 b	9.25 b	< 0.20	0.692 b
	MW-11-0217	02/24/2017	0.95	7.05	31.7	< 0.020 b	6.27	< 0.20	0.569 b
	MW-110-0217 (Dup)	02/24/2017	1	7.02	32.3	< 0.020 b	6.14	< 0.20	0.446 b
	MW-11-0517	05/22/2017	0.64	5.08	25.1	< 0.020 b	4.89 b	< 0.20	0.184 b
	MW-11-0817	08/16/2017	1.19	7.46	37.1	< 0.020 b	7.36 b	< 0.20	0.385 b
	MW-11-1117	11/29/2017	2.72	19.7	77.4	< 0.20 b	10.8	< 0.20	0.789 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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-12-0211	03/02/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
(Shallow)	MW-12-0811	08/11/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-12-0212	02/16/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-12-0812	08/01/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 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	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-12-0214	02/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-12-0814	08/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-12-0215	02/11/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-12-0815	08/12/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.044 b	< 0.20	< 0.020 b
	MW-12-0216	02/18/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-12-0816	08/03/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-12-0217	02/23/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-12-0817	08/16/2017	< 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	1.000
MW-13	MW-13-0211	03/02/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
(Shallow)	MW-13-0811	08/11/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-13-0212	02/16/2012	< 0.20	< 0.20	0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-13-0812	07/31/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 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	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-13-0214	02/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-13-0814	08/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-13-0215	02/11/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-13-0815	08/11/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.024 b	< 0.20	< 0.020 b
	MW-13-0216	02/16/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-13-0816	08/04/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-13-0217	02/21/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-13-0817	08/15/2017	< 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	1.000

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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*	MW-14M-0211	03/02/2011	13	34	81	< 0.020 b	59	< 0.20	0.740 b
(Intermediate)	MW-14M-0511	05/17/2011	15	38	95	< 0.020 b	70	< 0.20	1.000 b
	MW-14M-0811	08/11/2011	16	41	97	< 0.020 UJb	61	< 0.60	1.000 Jb
	MW-14M-1111	11/30/2011	21	46	100	< 0.020 b	78	< 0.60	1.200 b
	MW-14M-0212	02/15/2012	16	45	96	< 0.020 b	62	< 0.60	0.850 Jb
	MW-140M-0212 (Dup)	02/15/2012	16	43	100	< 0.020 b	60	< 0.20	0.510 Jb
	MW-14M-0512	05/16/2012	13	42	84	< 0.020 b	52	< 1	0.650 b
	MW-14M-0812	08/02/2012	15	44	93	< 0.020 b	58	< 0.4	1.100 b
	MW-14M-1112	11/15/2012	17	67	140	< 0.020 b	74	< 1	1.200 b
	MW-14M-0213	02/13/2013	15	56	110	< 0.020 b	60	< 1	0.970 b
	MW-14M-0513	05/23/2013	14	64	130	< 0.020 b	62	< 1	1.300 b
	MW-14M-0813	08/14/2013	14	66	130	< 0.020 b	58	< 0.20	1.600 b
	MW-14M-1113	11/20/2013	14	86	170	< 0.020 b	73	< 1	1.400 b
	MW-14M-0214	02/13/2014	14	66	130	< 0.020 b	64	< 0.20	1.400 b
	MW-14M-0514	05/14/2014	11	65	130	< 0.020 b	53	< 0.20	1.300 b
	MW-14M-0814	08/13/2014	10	75	140	< 0.060 b	55	< 0.40	1.100 b
	MW-14M-1114	11/12/2014	8.9	73	140	< 0.1 b	63	< 0.20	1.000 b
	MW-14M-0215	02/11/2015	14	86	160	< 0.1 b	60	< 1	1.400 b
	MW-14M-0515	05/28/2015	8.5	63	120	< 0.020 b	40	< 0.20	1.100 b
	MW-14M-0815	08/13/2015	9.1	100	160	< 0.020 b	40	< 0.20	1.1 b
	MW-14M-1115	11/24/2015	15	80	160	< 0.02 b	41	< 0.20	1.5 b
	MW-14M-0216	02/18/2016	10	74	130	< 0.02 b	41	< 0.20	1.3 b
	MW-14M-0516	05/11/2016	8.2	70	150 J	< 0.020 b	29	< 0.20	0.980 b
	MW-14M-0816	08/04/2016	6.4	70	120	< 0.02 b	28	< 1	0.91 b
	MW-14M-1116	11/22/2016	10.5	81.4	156	< 0.02 b	32.8 b	< 1	1.29 b
	MW-14M-0217	02/24/2017	6.97	71.3	125	< 0.020 b	28.6	< 1	1.34 b
	MW-14M-0517	05/22/2017	5.95	60.8	116	< 0.02 b	18.0	< 1.00	0.941 b
	MW-14M-0817	08/16/2017	5.84	71.6	134	< 0.02 b	21.6	< 0.40	0.904 b
	MW-14M-1117	11/29/2017	11.1	95.9	188	< 0.20 b	25.0	< 0.20	1.11 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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*	MW-140D-0211 (Dup)	03/02/2011	< 0.20	< 0.20	1	< 0.020 b	0.095 b	< 0.20	0.028 b
(Deep)	MW-14D-0211	03/02/2011	< 0.20	< 0.20	1	< 0.020 b	0.095 b	< 0.20	0.033 b
	MW-14D-0511	05/17/2011	< 0.20	< 0.20	1.1	< 0.020 b	0.076 b	< 0.20	0.027 b
	MW-140D-0511 (Dup)	05/17/2011	< 0.20	< 0.20	1	< 0.020 b	0.08 b	< 0.20	0.027 b
	MW-14D-0811	08/11/2011	< 0.20	< 0.20	0.8	< 0.020 b	0.072 b	< 0.20	0.027 b
	MW-140D-0811 (Dup)	08/11/2011	< 0.20	< 0.20	1	< 0.020 b	0.068 b	< 0.20	0.028 b
	MW-14D-1111	11/30/2011	< 0.20	< 0.20	1.5	< 0.020 b	0.11 b	< 0.20	0.036 b
	MW-140D-1111 (Dup)	11/30/2011	< 0.20	< 0.20	1.4	< 0.020 b	0.11 b	< 0.20	0.035 b
	MW-14D-0212	02/15/2012	< 0.20	< 0.20	1.1	< 0.020 b	0.081 b	< 0.20	0.033 b
	MW-14D-0512	05/15/2012	< 0.20	< 0.20	1	< 0.020 b	0.069 b	< 0.20	0.034 b
	MW-14D-0812	08/02/2012	< 0.20	< 0.20	0.86	< 0.020 b	0.061 b	< 0.20	0.036 b
	MW-14D-1112	11/15/2012	< 0.20	< 0.20	1.1	< 0.020 b	0.089 b	< 0.20	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	0.05 b	< 0.20	0.039 b
	MW-14D-0513	05/23/2013	< 0.20	< 0.20	1.2	< 0.020 b	0.08 b	< 0.20	0.052 b
	MW-14D-0813	08/14/2013	< 0.20	< 0.20	1	< 0.020 b	0.058 b	< 0.20	0.050 b
	MW-140D-0813 (Dup)	08/14/2013	< 0.20	< 0.20	0.85	< 0.020 b	0.052 b	< 0.20	0.040 b
	MW-14D-1113	11/20/2013	< 0.20	< 0.20	1.2	< 0.020 b	< 0.02 b	< 0.20	0.046 b
	MW-14D-0214	02/13/2014	< 0.20	< 0.20	0.96	< 0.020 b	0.057 b	< 0.20	0.039 b
	MW-14D-0514	05/14/2014	< 0.20	< 0.20	0.97	< 0.020 b	0.05 b	< 0.20	0.036 b
	MW-14D-0814	08/13/2014	< 0.20	< 0.20	1.1	< 0.020 b	0.043 b	< 0.20	0.048 b
	MW-14D-1114	11/12/2014	< 0.20	< 0.20	1.2	< 0.020 b	0.059 b	< 0.20	0.061 b
	MW-14D-0215	02/11/2015	< 0.20	< 0.20	1.1	< 0.020 b	0.057 b	< 0.20	0.048 b
	MW-14D-0515	05/28/2015	< 0.20	< 0.20	1.2	< 0.020 b	0.063 b	< 0.20	0.064 b
	MW-14D-0815	08/13/2015	< 0.20	< 0.20	1.1	< 0.020 b	0.054 b	< 0.20	0.059 b
	MW-14D-1115	11/24/2015	< 0.20	< 0.20	1.3	< 0.020 b	0.064 b	< 0.20	0.074 b
	MW-14D-0216	02/18/2016	< 0.20	< 0.20	1.2	< 0.020 b	0.12 b	< 0.20	0.086 b
	MW-14D-0516	05/11/2016	< 0.20	< 0.20	1.1	< 0.020 b	0.13 b	< 0.20	0.074 b
	MW-14D-0816	08/04/2016	< 0.20	< 0.20	0.99	< 0.020 b	0.031 b	< 0.20	0.057 b
	MW-14D-1116	11/22/2016	< 0.20	< 0.20	1.45	< 0.020 b	0.139 b	< 0.20	< 0.020 b
	MW-14D-0217	02/24/2017	< 0.20	< 0.20	1.22	< 0.020 b	0.05 b	< 0.20	0.0881 b
	MW-14D-0517	05/23/2017	< 0.20	< 0.20	1.25	< 0.020 b	0.0521 b	< 0.20	0.0865 b
	MW-14D-0817	08/16/2017	< 0.20	< 0.20	1.11	< 0.020 b	0.0736 b	< 0.20	0.094 b
	MW-14D-1117	11/29/2017	< 0.20	< 0.20	2.4	< 0.020 b	0.0826 b	< 0.20	0.111 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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*	MW-15M-0211	02/28/2011	0.8	1.4	27	< 0.020 b	54	< 0.20	0.190 b
(Intermediate)	MW-15M-0511	05/17/2011	1	1.7	27	< 0.020 b	67	< 0.20	0.140 b
	MW-15M-0811	08/09/2011	0.6	1	19	< 0.020 b	50	< 0.20	0.073 Jb
	MW-15M-1111	11/29/2011	0.5	0.9	14	< 0.020 b	44	< 0.20	0.084 b
	MW-15M-0212	02/15/2012	0.6	1	17	< 0.020 b	46	< 0.20	0.045 b
	MW-15M-0512	05/15/2012	0.6	0.9	16	< 0.020 b	43	< 0.20	0.100 b
	MW-15M-0812	08/01/2012	0.66	0.98	16	< 0.020 b	45	< 0.20	0.088 b
	MW-15M-1112	11/14/2012	0.65	1	18	< 0.020 b	41	< 0.20	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	< 0.020 b	47	< 0.20	0.056 b
	MW-15M-1113	11/19/2013	0.62	1.2	17	< 0.020 b	49	< 0.20	0.054 b
	MW-15M-0214	02/11/2014	0.65	1.2	18	< 0.020 b	51	< 0.20	0.058 b
	MW-15M-0514	05/13/2014	0.54	1.1	13	< 0.020 b	41	< 0.20	0.042 b
	MW-15M-0814	08/13/2014	0.57	1	13	< 0.020 b	42	< 0.20	0.041 b
	MW-15M-1114	11/11/2014	0.48	0.96	12	< 0.020 b	44	< 0.20	0.051 b
	MW-15M-0215	02/11/2015	0.61	1.2	13	< 0.020 b	45	< 0.20	0.048 b
	MW-15M-0515	05/29/2015	0.48	0.89	9.9	< 0.020 b	37	< 0.20	0.044 b
	MW-15M-0815	08/13/2015	0.56	1.1	10	< 0.020 b	37	< 0.20	0.048 b
	MW-15M-1115	11/23/2015	0.54	1	10	< 0.020 b	38	< 0.20	0.057 b
	MW-15M-0216	02/17/2016	0.51	1.2	11	< 0.020 b	44	< 0.20	0.12 b
	MW-15M-0516	05/10/2016	0.72 J	1.3 J	12 J	< 0.020 b	41 J	< 0.20 UJ	0.120 b
	MW-15M-0816	08/03/2016	0.44	0.89	9.2	< 0.020 b	36	< 0.20	0.082 b
	MW-15M-1116	11/21/2016	0.51	1.01	11.8	< 0.020 b	37.7	< 0.20	< 0.020 b
	MW-15M-0217	02/20/2017	0.5	1.05	11.2	< 0.020 b	38.4	< 0.20	0.143 b
	MW-15M-0517	05/22/2017	0.64	1.36	14.3	< 0.020 b	38.0	< 0.20	0.116 b
	MW-15M-0817	08/15/2017	0.55	1.03	11.5	< 0.020 b	36.3	< 0.20	0.121 b
	MW-15M-1117	12/01/2017	0.59	1.29	13.3	< 0.020 b	38.6	< 0.20	0.0975 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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*	MW-15D-0211	02/28/2011	0.3	1.2	41	< 0.020 b	13	< 0.20	0.360 b
(Deep)	MW-15D-0511	05/17/2011	0.4	1.3	51	< 0.020 b	7.2	< 0.20	0.470 b
	MW-15D-0811	08/09/2011	0.6	2.1	64	< 0.020 UJb	44	< 0.20	0.580 Jb
	MW-15D-1111	11/29/2011	0.4	1.4	50	< 0.020 b	1.9 b	< 0.20	0.430 b
	MW-15D-0212	02/15/2012	0.4	1.8	54	< 0.020 b	17	< 0.20	0.470 b
	MW-15D-0512	05/15/2012	0.6	2.4	64 J	< 0.020 b	39	< 0.20	0.580 b
	MW-15D-0812	08/01/2012	0.68	2.4	56	< 0.020 b	43	< 0.20	0.660 b
	MW-15D-1112	11/14/2012	0.38	2	53	< 0.020 b	12	< 0.20	0.510 b
	MW-15D-0213	02/14/2013	0.74	2.5	58	< 0.020 b	43	< 0.20	0.730 b
	MW-15D-0513	05/22/2013	0.77	2.5	60	< 0.020 b	39	< 0.20	0.800 b
	MW-15D-0813	08/14/2013	0.97	3.2	64	< 0.020 b	40	< 0.20	0.730 b
	MW-15D-1113	11/19/2013	0.44	2.6	60	< 0.020 b	10	< 0.20	0.640 b
	MW-15D-0214	02/12/2014	0.42	2.8	61	< 0.020 b	6.8 b	< 0.20	0.630 b
	MW-15D-0514	05/13/2014	1.2	3.9	61	< 0.020 b	46	< 0.20	0.880 b
	MW-15D-0814	08/13/2014	1.3	4.3	73	< 0.020 b	42	< 0.20	0.920 b
	MW-15D-1114	11/11/2014	0.29	2.6	52	< 0.020 b	2.9	< 0.20	0.670 b
	MW-15D-0215	02/11/2015	1.2	4.6	74	< 0.020 b	39	< 0.20	0.900 b
	MW-15D-0515	05/27/2015	1.3	4.2	60	< 0.020 b	37	< 0.20	1.0 b
	MW-15D-0815	08/13/2015	1.2	4.8	58	< 0.020 b	31	< 0.20	0.89 b
	MW-15D-1115	11/23/2015	0.4	3.5	56	< 0.020 b	3.3 b	< 0.20	0.67 b
	MW-15D-0216	02/17/2016	0.37	3.8	53	< 0.020 b	3.3 b	< 0.20	0.84 b
	MW-15D-0516	05/10/2016	1.6	5.9	71	< 0.020 b	44	< 0.20	1.100 b
	MW-15D-0816	08/03/2016	1.6	5.8	67	< 0.020 b	46	< 0.20	1.2 b
	MW-15D-1116	11/21/2016	0.33	3.3	48.7	< 0.020 b	5.35 b	< 0.20	0.607 b
	MW-15D-0217	02/20/2017	0.3	3.49	46	< 0.020 b	2.93 b	< 0.20	0.818 b
	MW-15D-0517	05/22/2017	1.23	5.45	58.8	< 0.020 b	32.6	< 0.20	1.02 b
	MW-15D-0817	08/15/2017	1.65	6.56	73	< 0.020 b	38.7	< 0.40	1.260 b
	MW-15D-1117	12/01/2017	0.43	5.34	66.7	< 0.020 b	5.31 b	< 0.20	0.626 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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*	MW-16M-0211	03/02/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
(Intermediate)	MW-16M-0511	05/17/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0811	08/09/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-1111	11/29/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0212	02/14/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0512	05/15/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0812	08/01/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-1112	11/14/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 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	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-1113	11/19/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0214	02/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0514	05/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0814	08/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-1114	11/11/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0215	02/11/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0515	05/27/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.024 b	< 0.20	< 0.020 b
	MW-16M-0815	08/12/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-1115	11/23/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0216	02/18/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-0516	05/10/2016	< 0.20	< 0.20	0.43	< 0.020 b	0.15 J+b	< 0.20	< 0.020 b
	MW-16M-0816	08/02/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-1116	11/21/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0546 Jb	< 0.20	< 0.020 b
	MW-16M-0217	02/20/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0373 b	< 0.20	< 0.020 b
	MW-16M-0517	05/22/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0265 b	< 0.20	< 0.020 b
	MW-16M-0817	08/15/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16M-1117	11/29/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0385 b	< 0.20	< 0.020 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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*	MW-16D-0211	03/02/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
(Deep)	MW-16D-0511	05/17/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0811	08/09/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-1111	11/29/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0212	02/14/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0512	05/15/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0812	08/01/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-1112	11/14/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 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	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-1113	11/19/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0214	02/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0514	05/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0814	08/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-1114	11/11/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0215	02/11/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0515	05/27/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0815	08/12/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	0.021 b
	MW-16D-1115	11/23/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	0.024 b
	MW-16D-0216	02/18/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-0516	05/10/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.069 J+b	< 0.20	< 0.020 b
	MW-16D-0816	08/02/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-1116	11/21/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0367 Jb	< 0.20	< 0.020 b
	MW-16D-0217	02/20/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0230 b	< 0.20	0.0247 b
	MW-16D-0517	05/22/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	0.0329 b
	MW-16D-0817	08/15/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-16D-1117	11/30/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0221 b	< 0.20	0.0238 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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*	MW-17M-0211	02/28/2011	< 0.20	< 0.20	0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
(Intermediate)	MW-17M-0811	08/09/2011	< 0.20	< 0.20	0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17M-0212	02/14/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17M-0812	08/01/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 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	< 0.20	< 0.20	0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17M-0214	02/11/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17M-0814	08/14/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17M-0215	02/10/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17M-0815	08/12/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17M-0216	02/17/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17M-0816	08/03/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17M-0217	02/24/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400
MW-17D*	MW-17D-0211	02/28/2011	< 0.2	< 0.2	< 0.2	< 0.02 b	< 0.02 b	< 0.2	< 0.020 b
(Deep)	MW-17D-0811	08/09/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17D-0212	02/14/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17D-0812	08/01/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 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	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17D-0214	02/11/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	0.022 b
	MW-17D-0814	08/14/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	0.025 b
	MW-17D-0215	02/10/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17D-0815	08/12/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	0.033 b
	MW-17D-0216	02/17/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-17D-0816	08/03/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	0.031 b
	MW-17D-0217	02/24/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	0.0267 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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*	MW-18M-0511	05/16/2011	< 0.20	< 0.20	2.8	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
(Intermediate)	MW-18M-0811	08/09/2011	< 0.20	0.20	3.8	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-18M-0212	02/14/2012	< 0.20	< 0.20	2.7	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-18M-0812	08/01/2012	< 0.20	0.22	3.2	< 0.020 b	< 0.020 b	< 0.20	< 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	< 0.20	0.35	3.3	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-18M-0214	02/11/2014	< 0.20	0.35	3.7	< 0.020 b	< 0.020 b	< 0.20	0.028 b
	MW-18M-0814	08/13/2014	< 0.20	0.32	3	< 0.020 b	< 0.020 b	< 0.20	0.033 b
	MW-18M-0215	02/10/2015	< 0.20	0.28	3	< 0.020 b	< 0.020 b	< 0.20	0.027 b
	MW-18M-0815	08/12/2015	< 0.20	0.37	3.3	< 0.020 b	0.021 J,b	< 0.20	0.047 b
	MW-18M-0216	02/17/2016	< 0.20	< 0.20	2.3	< 0.020 b	0.038 b	< 0.20	< 0.020 b
	MW-18M-0816	08/02/2016	< 0.20	0.28	2.8	< 0.020 b	< 0.020 b	< 0.20	0.037 b
	MW-18M-0217	02/24/2017	< 0.20	0.21	2.27	< 0.020 b	0.0235 b	< 0.20	0.0339 b
	MW-18M-0817	08/14/2017	< 0.20	0.28	2.55	< 0.020 b	< 0.020 b	< 0.20	0.031 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400
MW-18D*	MW-18D-0211	03/03/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
(Deep)	MW-18D-0811	08/09/2011	< 0.20	< 0.20	1.2	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-18D-0212	02/14/2012	< 0.20	< 0.20	0.7	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-18D-0812	08/01/2012	< 0.20	< 0.20	1.2	< 0.020 b	< 0.020 b	< 0.20	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	< 0.20	< 0.20	1.4	< 0.020 b	< 0.020 b	< 0.20	0.023 b
	MW-18D-0214	02/11/2014	< 0.20	< 0.20	1.8	< 0.020 b	< 0.020 b	< 0.20	0.036 b
	MW-18D-0814	08/13/2014	< 0.20	< 0.20	1.9	< 0.020 b	< 0.020 b	< 0.20	0.034 b
	MW-18D-0215	02/10/2015	< 0.20	< 0.20	1.5	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-18D-0815	08/12/2015	< 0.20	< 0.20	2	< 0.020 b	< 0.020 b	< 0.20	0.044 b
	MW-18D-0216	02/17/2016	< 0.20	< 0.20	0.24	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-18D-0816	08/02/2016	< 0.20	< 0.20	2.2	< 0.020 b	< 0.020 b	< 0.20	0.035 b
	MW-18D-0217	02/24/2017	< 0.20	< 0.20	0.78	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	MW-18D-0817	08/14/2017	< 0.20	< 0.20	2.09	< 0.020 b	< 0.020 b	< 0.20	0.042 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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-19M*	MW-19M-0211	03/02/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	0.068 b	< 0.20	< 0.020 b
(Intermediate)	MW-19M-0811	08/11/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	0.06 b	< 0.20	< 0.020 b
	MW-19M-0212	02/15/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	0.062 b	< 0.20	< 0.020 b
	MW-19M-0812	08/02/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	0.05 b	< 0.20	< 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	< 0.20	< 0.20	< 0.20	< 0.020 b	0.045 b	< 0.20	< 0.020 b
	MW-19M-0214	02/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	0.048 b	< 0.20	< 0.020 b
	MW-19M-0814	08/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	0.034 b	< 0.20	< 0.020 b
	MW-19M-0215	02/11/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.05 b	< 0.20	< 0.020 b
	MW-19M-0815	08/12/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.054 b	< 0.20	< 0.020 b
	MW-19M-0216	02/18/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.070 b	< 0.20	< 0.020 b
	MW-19M-0816	08/04/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	0.034 b	< 0.20	< 0.020 b
	MW-19M-0217	02/23/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.0549 b	< 0.20	< 0.020 b
	MW-19M-0817	08/16/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	0.059 b	< 0.20	< 0.020 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400
MW-20M*	MW-20M-0211	03/02/2011	< 0.20	< 0.20	0.4	< 0.02 b	0.24 b	< 0.20	< 0.020 b
(Intermediate)	MW-20M-0811	08/11/2011	< 0.20	< 0.20	0.4	< 0.020 b	0.26 b	< 0.20	< 0.020 b
	MW-20M-0212	02/15/2012	< 0.20	< 0.20	0.3	< 0.020 b	0.27 b	< 0.20	< 0.020 b
	MW-20M-0812	08/01/2012	< 0.20	< 0.20	0.33	< 0.020 b	0.15 b	< 0.20	< 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	< 0.20	< 0.20	0.46	< 0.020 b	0.26 b	< 0.20	< 0.020 b
	MW-20M-0214	02/13/2014	< 0.20	< 0.20	0.54	< 0.020 b	0.24 b	< 0.20	< 0.020 b
	MW-20M-0814	08/13/2014	< 0.20	< 0.20	0.36	< 0.020 b	0.19 b	< 0.20	< 0.020 b
	MW-20M-0215	02/12/2015	< 0.20	< 0.20	0.36	< 0.020 b	0.17 b	< 0.20	< 0.020 b
	MW-20M-0815	08/13/2015	< 0.20	< 0.20	0.47	< 0.020 b	0.25 b	< 0.20	0.026 b
	MW-20M-0216	02/18/2016	< 0.20	< 0.20	0.20	< 0.020 b	0.17 b	< 0.20	< 0.020 b
	MW-20M-0816	08/03/2016	< 0.20	< 0.20	0.57	< 0.020 b	0.020 b	< 0.20	< 0.020 b
	MW-20M-0217	02/23/2017	< 0.20	< 0.20	0.29	< 0.020 b	< 0.020 b	< 0.20	0.0201 b
	MW-20M-0817	08/15/2017	< 0.20	< 0.20	0.55	< 0.020 b	0.263 b	< 0.20	0.023 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 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-0211	02/28/2011	< 0.20	< 0.20	1	< 0.020 b	3.3 b	< 0.20	< 0.020 b
(Shallow)	MW-21S-0511	05/17/2011	< 0.20	< 0.20	0.6	< 0.020 b	2 b	< 0.20	< 0.020 b
	MW-21S-0811	08/09/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	0.72 b	< 0.20	< 0.020 b
	MW-21S-1111	11/29/2011	< 0.20	< 0.20	0.9	< 0.020 b	3 b	< 0.20	< 0.020 b
	MW-21S-0212	02/15/2012	< 0.20	< 0.20	1.1	< 0.020 b	3.1 b	< 0.20	< 0.020 b
	MW-21S-0512	05/15/2012	< 0.20	< 0.20	1.1	< 0.020 b	2.8 b	< 0.20	< 0.020 b
	MW-21S-0812	08/01/2012	< 0.20	< 0.20	0.37	< 0.020 b	1.4 b	< 0.20	< 0.020 b
	MW-21S-1112	11/14/2012	< 0.20	< 0.20	0.63	< 0.020 b	2.3 b	< 0.20	< 0.020 b
	MW-210S-1112 (Dup)	11/14/2012	< 0.20	< 0.20	0.64	< 0.200	2.5 b	< 0.20	< 0.020 b
	MW-21S-0213	02/14/2013	< 0.20	< 0.20	0.4	< 0.020 b	2 b	< 0.20	< 0.020 b
	MW-210S-0213 (Dup)	02/14/2013	< 0.20	< 0.20	0.44	< 0.020 b	2 b	< 0.20	< 0.020 b
	MW-21S-0513	05/22/2013	< 0.20	< 0.20	0.27	< 0.020 b	1 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	< 0.20	< 0.20	0.53	< 0.020 b	1.4 b	< 0.20	< 0.020 b
	MW-210S-0813 (dup)	08/14/2013	< 0.20	< 0.20	0.49	< 0.020 b	1.5 b	< 0.20	< 0.020 b
	MW-21S-1113	11/20/2013	< 0.20	< 0.20	0.62	< 0.020 b	2.5 b	< 0.20	< 0.020 b
	MW-21S-0214	02/12/2014	< 0.20	< 0.20	0.83	< 0.020 b	2.5 b	< 0.20	< 0.020 b
	MW-210S-0214 (Dup)	02/12/2014	< 0.20	< 0.20	0.6	< 0.020 b	2.4 b	< 0.20	< 0.020 b
	MW-21S-0514	05/13/2014	< 0.20	< 0.20	0.5	< 0.020 b	2.2 b	< 0.20	< 0.020 b
	MW-210S-0514 (Dup)	05/13/2014	< 0.20	< 0.20	0.53	< 0.020 b	2.2 b	< 0.20	< 0.020 b
	MW-21S-0814	08/13/2014	< 0.20	< 0.20	0.53	< 0.020 b	1.5 b	< 0.20	< 0.020 b
	MW-210S-0814 (Dup)	08/13/2014	< 0.20	< 0.20	0.56	< 0.020 b	1.6 b	< 0.20	< 0.020 b
	MW-21S-1114	11/11/2014	< 0.20	< 0.20	0.5	< 0.020 b	2.2	< 0.20	< 0.020 b
	MW-210S-1114 (Dup)	11/11/2014	< 0.20	< 0.20	0.53	< 0.020 b	2.1	< 0.20	< 0.020 b
	MW-21S-0215	02/11/2015	< 0.20	< 0.20	0.54	< 0.020 b	1.9	< 0.20	< 0.020 b
	MW-210S-0215 (Dup)	02/11/2015	< 0.20	< 0.20	0.54	< 0.020 b	1.9	< 0.20	< 0.020 b
	MW-21S-0515	05/27/2015	< 0.20	< 0.20	0.45	< 0.020 b	2.0 b	< 0.20	< 0.020 b
	MW-210S-0515	05/27/2015	< 0.20	< 0.20	0.45	< 0.020 b	2.0 b	< 0.20	< 0.020 b
	MW-210S-0815 (Dup)	08/13/2015	< 0.20	< 0.20	0.4	< 0.020 b	1.7 b	< 0.20	< 0.020 b
	MW-21S-0815	08/13/2015	< 0.20	< 0.20	0.26	< 0.020 b	1.5 b	< 0.20	< 0.020 b
	MW-210S-1115 (Dup)	11/23/2015	< 0.20	< 0.20	0.58	< 0.020 b	2 b	< 0.20	< 0.020 b
	MW-21S-1115	11/23/2015	< 0.20	< 0.20	0.62 J	< 0.020 b	2.2 b	< 0.20	< 0.020 b
	MW-21S-0216	02/17/2016	< 0.20	< 0.20	0.5	< 0.020 b	2.3 b	< 0.20	< 0.020 b
	MW-210S-0216 (Dup)	02/17/2016	< 0.20	< 0.20	0.49	< 0.020 b	2.1 Jb	< 0.20	< 0.020 b
	MW-21S-0516	05/10/2016	< 0.20	< 0.20	0.43	< 0.020 b	2.5 b	< 0.20	< 0.020 b
	MW-210S-0516 (Dup)	05/10/2016	< 0.20	< 0.20	0.49	< 0.020 b	2.5 J+b	< 0.20	< 0.020 b
	MW-210-0816 (Dup)	08/03/2016	< 0.20	< 0.20	0.41	< 0.020 b	1.6 b	< 0.20	< 0.020 b
	MW-21S-0816	08/03/2016	< 0.20	< 0.20	0.37	< 0.020 b	1.8	< 0.20	< 0.020 b
	MW-210S-1116 (Dup)	11/21/2016	< 0.20	< 0.20	0.46	< 0.020 b	1.82	< 0.20	< 0.020 b
	MW-21S-1116	11/21/2016	< 0.20	< 0.20	0.5	< 0.020 b	1.78	< 0.20	< 0.020 b
	MW-210S-0217	02/20/2017	< 0.20	< 0.20	0.34	< 0.020 b	1.96 b	< 0.20	< 0.020 b
	MW-210S-0517	05/22/2017	< 0.20	< 0.20	0.36	< 0.02 b	1.86 b	< 0.20	< 0.020 b
	MW-21S-0217	02/20/2017	< 0.20	< 0.20	0.38	< 0.020 b	1.70 b	< 0.20	< 0.020 b
	MW-21S-0517	05/22/2017	< 0.20	< 0.20	0.37	< 0.020 b	1.93 b	< 0.20	< 0.020 b
	MW-21S-0817	08/15/2017	< 0.20	< 0.20	0.28	< 0.020 b	1.54 b	< 0.20	< 0.020 b
	MW-210S-1117(dup)	11/30/2017	< 0.20	< 0.20	0.63	< 0.20 b	1.77 b	< 0.20	< 0.020 b
	MW-21S-1117	11/30/2017	< 0.20	< 0.20	0.62	< 0.20 b	1.67 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
2011 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	EPI-MW-2D	03/01/2011	25	37	73	< 0.020 b	22	< 0.20	1.0 b
(Intermediate)	EPI-MW-2D-0811	08/10/2011	20	34	70	< 0.020 b	19	< 0.20	0.9 b
	EPI-MW-2D-0212	02/15/2012	23	50	110	< 0.020 b	19	< 0.60	1.3 b
	EPI-MW-2D-0812	08/01/2012	18	46	87	< 0.020 b	23	< 0.40	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	< 0.020 b	27	< 0.20	1.6 b
	EPI-MW-2D-0214	02/12/2014	23	71	140	< 0.020 b	26	< 0.20	1.7 b
	EPI-MW-2D-0814	08/12/2014	14	81	140	< 0.060 b	18	< 0.40	1.2 b
	EPI-MW-2D-0215	02/11/2015	15	90	160	< 0.020 b	13	< 1	1.4 b
	EPI-MW-2D-0815	08/12/2015	11	75	120	< 0.020 b	8.3 b	< 1	0.91 b
	EPI-MW-2D-0216	02/17/2016	10	64	120	< 0.020 b	4.3 b	< 1	1.3 b
	EPI-MW-2D-0816	08/03/2016	8.3	57	97	< 0.020 b	4 b	< 0.20	0.86 b
	EPI-MW-2D-0217	02/21/2017	6.88	61	108	< 0.020 b	2.51 b	< 1	0.971 b
	EPI-MW-2D-0817	08/14/2017	7.37	58.7	107	< 0.020 b	2.87 b	< 0.4	1.090 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4
EPI-MW-3S	EPI-MW-3S	03/01/2011	0.4	5.4	23	< 0.020 b	4.7	< 0.20	0.18 b
(Shallow)	EPI-MW-3S-0811	08/10/2011	0.3	3.7	20	< 0.020 b	3.6 b	< 0.20	0.11 b
	EPI-MW-3S-0212	02/15/2012	0.4	5	23	< 0.020 b	4.4	< 0.20	0.21 b
	EPI-MW-3S-0812	08/01/2012	0.35	4.7	21	< 0.020 b	3.4 b	< 0.20	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	< 0.020 b	3.1 b	< 0.20	0.26 b
	EPI-MW-3S-0214	02/12/2014	0.61	7.6	41	< 0.020 b	3.3 b	< 0.20	0.41 b
	EPI-MW-3S-0814	08/12/2014	0.48	5.1	30	< 0.020 b	2.7 b	< 0.20	0.33 b
	EPI-MW-3S-0215	02/11/2015	0.53	6.4	37	< 0.020 b	2.9	< 0.20	0.36 b
	EPI-MW-3S-0815	08/12/2015	0.42	4.7	24	< 0.020 b	2.8 b	< 0.20	0.36 b
	EPI-MW-3S-0216	02/17/2016	0.37	4.9	26	< 0.020 b	3.0 b	< 0.20	0.44 b
	EPI-MW-3S-0816	08/03/2016	0.43	5.5	30	< 0.020 b	1.8 b	< 0.20	0.37 b
	EPI-MW-3S-0217	02/21/2017	0.48	4.99	32.4	< 0.020 b	1.95 b	< 0.20	0.403 b
	EPI-MW-3S-0817	08/14/2017	0.5	5.03	34.3	< 0.020 b	2.52 b	< 0.20	0.52 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
2011 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	EPI-MW-3D	03/01/2011	1.2	1.2	5.1	< 0.020 b	1.6 b	< 0.20	0.095 b
(Intermediate)	EPI-MW-3D-0811	08/10/2011	0.6	0.7	3.9	< 0.020 b	0.98 b	< 0.20	0.043 b
	EPI-MW-3D-0212	02/15/2012	0.9	1	4.9	< 0.020 b	1.5 b	< 0.20	0.085 b
	EPI-MW-3D-0812	08/01/2012	0.71	0.95	3.9	< 0.020 b	1.3 b	< 0.20	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	< 0.020 b	0.69 b	< 0.20	0.058 b
	EPI-MW-3D-0214	02/12/2014	1.8	2.5	9.9	< 0.020 b	1.2 b	< 0.20	0.13 b
	EPI-MW-3D-0814	08/12/2014	2.5	2.5	11	< 0.020 b	1 b	< 0.20	0.24 b
	EPI-MW-3D-0215	02/11/2015	2.1	3.1	12	< 0.020 b	1 b	< 0.20	0.19 b
	EPI-MW-3D-0815	08/12/2015	1.7	2.9	9.7	< 0.020 b	1.1 b	< 0.20	0.19 b
	EPI-MW-3D-0216	02/17/2016	1.6	2	8.1	< 0.020 b	1.2 b	< 0.20	0.18 b
	EPI-MW-3D-0816	08/03/2016	0.53	0.86	4.4	< 0.020 b	0.38 b	< 0.20	0.058 b
	EPI-MW-3D-0217	02/21/2017	1.59	2.19	9.23	< 0.020 b	0.88 b	< 0.20	0.118 b
	EPI-MW-3D-0817	08/14/2017	1.71	2.15	9.79	< 0.020 b	0.932 b	< 0.20	0.214 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4
EPI-MW-4S	EPI-MW-4S	03/01/2011	< 0.20	0.20	2.8	< 0.020 b	6.3	< 0.20	0.042 b
(Shallow)	EPI-MW-4S-0811	08/10/2011	< 0.20	< 0.20	2.8	< 0.020 b	5.6	< 0.20	0.023 b
	EPI-MW-4S-0212	02/15/2012	< 0.20	< 0.20	1.5	< 0.020 b	5.4	< 0.20	0.027 b
	EPI-MW-4S-0812	08/01/2012	< 0.20	< 0.20	2.1	< 0.020 b	4.3 b	< 0.20	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	< 0.20	0.20	2.7	< 0.020 b	6	< 0.20	0.046 b
	EPI-MW-4S-0214	02/12/2014	< 0.20	0.23	3.9	< 0.020 b	3.7 b	< 0.20	0.045 b
	EPI-MW-4S-0814	08/12/2014	< 0.20	< 0.20	2.9	< 0.020 b	4.3 b	< 0.20	0.049 b
	EPI-MW-4S-0215	02/11/2015	< 0.20	0.54	4.8	< 0.020 b	6.5	< 0.20	0.048 b
	EPI-MW-4S-0815	08/12/2015	< 0.20	0.31	3.5	< 0.020 b	5 b	< 0.20	0.061 b
	EPI-MW-4S-0216	02/17/2016	< 0.20	< 0.20	1.1	< 0.020 b	4.5 b	< 0.20	< 0.020 b
	EPI-MW-4S-0816	08/03/2016	< 0.20	< 0.20	2.4	< 0.020 b	3.2 b	< 0.20	0.040 b
	EPI-MW-4S-0217	02/21/2017	< 0.20	0.26	2.89	< 0.020 b	4.25 b	< 0.20	0.0448 b
	EPI-MW-4S-0817	08/14/2017	< 0.20	0.21	2.78	< 0.020 b	4.69 b	< 0.20	0.054 b
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1.000

Table 3. Groundwater Quality: Volatile Organic Compounds
2011 to Present (Historic Data in Attachment E)

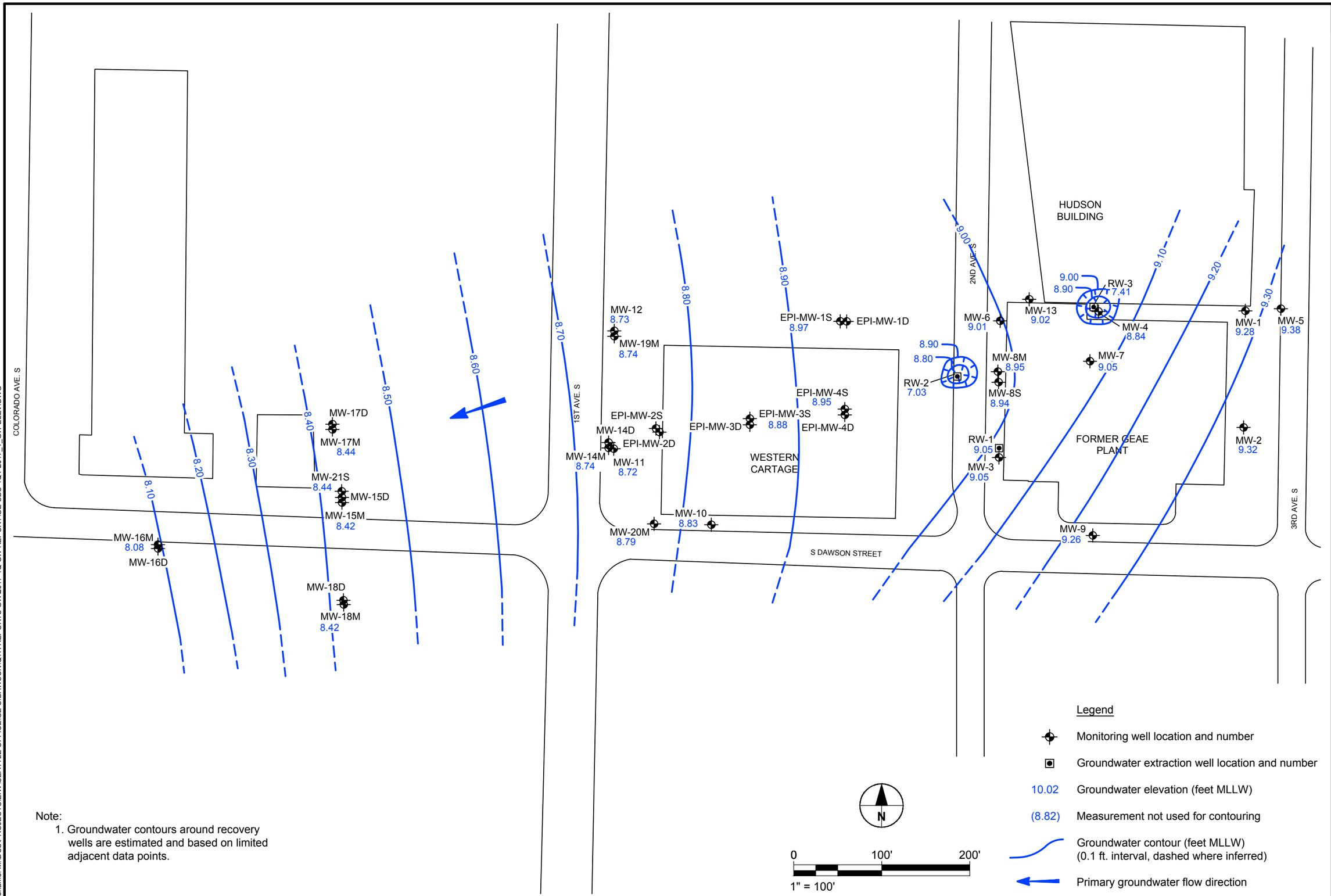
Sample Location	Sample Number	Sample Date	1,1-Dichloro-ethylene (1,1-DCE)	trans 1,2-Dichloro-ethylene (trans 1,2-DCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)	1,1,1-Trichloro-ethane (1,1,1-TCA)	Vinyl Chloride
EPI-MW-4D	EPI-MW-4D	03/01/2011	< 0.20	< 0.20	1	< 0.020 b	0.06 b	< 0.20	0.063 b
(Intermediate)	EPI-MW-4D-0811	08/10/2011	< 0.20	< 0.20	1.1	< 0.020 b	0.077 b	< 0.20	0.025 b
	EPI-MW-4D-0212	02/15/2012	< 0.20	< 0.20	0.9	< 0.020 b	0.036 b	< 0.20	0.051 b
	EPI-MW-4D-0812	08/01/2012	< 0.20	< 0.20	1.6	< 0.020 b	0.059 b	< 0.20	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	< 0.20	< 0.20	1.4	< 0.020 b	0.064 b	< 0.20	0.025 b
	EPI-MW-4D-0214	02/12/2014	< 0.20	< 0.20	1.6	< 0.020 b	0.065 b	< 0.20	0.024 b
	EPI-MW-4D-0814	08/12/2014	< 0.20	0.28	1.8	< 0.020 b	0.059 b	< 0.20	0.025 b
	EPI-MW-4D-0215	02/11/2015	< 0.20	< 0.20	0.92	< 0.020 b	0.046 b	< 0.20	< 0.020 b
	EPI-MW-4D-0815	08/12/2015	< 0.20	0.32	1.5	< 0.020 b	0.12 b	< 0.20	0.034 b
	EPI-MW-4D-0216	02/17/2016	< 0.20	0.20	1.1	< 0.020 b	0.075 b	< 0.20	< 0.020 b
	EPI-MW-4D-0816	08/03/2016	< 0.20	0.21	1.4	< 0.020 b	0.082 b	< 0.20	0.030 b
	EPI-MW-4D-0217	02/21/2017	< 0.20	< 0.20	0.66	< 0.020 b	0.0387 b	< 0.20	0.0256 b
	EPI-MW-4D-0817	08/14/2017	< 0.20	< 0.20	1.39	< 0.020 b	0.121 b	< 0.20	0.047 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.400
OTHER	Trip Blank_030711	02/28/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	Trip Blanks_0511	05/17/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	Trip Blank-0811	08/11/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	Trip Blank #1	11/29/2011	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	Trip Blanks_0212	02/14/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TRIP BLANKS	05/15/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TRIP BLANKS_0812	07/31/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TRIP BLANK_1112	11/14/2012	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 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
	TB-1113	11/19/2013	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TB-0214	02/11/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TB-0514	05/13/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TB-0814	08/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TB-1114	08/12/2014	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TB-0215	02/15/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TRIP BLANKS_AGV2	05/27/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TB-0815	08/12/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	0.033 b	< 0.20	< 0.020 b
	TB-1115	11/23/2015	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TB-0516	05/10/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TB-1116	11/21/2016	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TB-0217	02/22/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TB-0517	05/22/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TRIP BLANK_20170814	08/14/2017	< 0.20	< 0.20	< 0.20	< 0.020 b	< 0.020 b	< 0.20	< 0.020 b
	TRIP BLANK_1117	11/29/2017	< 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
2011 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

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



Note:

1. Groundwater contours around recovery wells are estimated and based on limited adjacent data points.

Legend

- Monitoring well location and number
- Groundwater extraction well location and number
- 10.02 Groundwater elevation (feet MLLW)
- (8.82) Measurement not used for contouring
- Groundwater contour (feet MLLW) (0.1 ft. interval, dashed where inferred)
- Primary groundwater flow direction

AECOM

Figure: 1

SHALLOW AND INTERMEDIATE GROUNDWATER CONTOUR MAP NOVEMBER 2017

GE
2017 4th Quarter Groundwater Report
220 South Dawson Street, Seattle, WA
Project No.: 60512400 Date: 01/12/18

Project Management Initials: Designer:E.S.S. Checked:GS Approved:____ ANSI B 11" x 17"

Last saved by: SCHWARTZE(2018-01-12) Last Plotted: 2018-01-12
Filename: M:\DCS\PROJECTS\ENV\SEATTLE OFFICE\GE-S DAWSON\QTR REPORTS GW\2017 4Q GW REPORT\GE-SDS-4QT 2017_1_GW ELEV.DWG

AECOM

Figure: 2

VOC CONCENTRATIONS IN SHALLOW GROUNDWATER WELLS 2012 TO PRESENT

MW-1	2/12	5/12	8/12	11/12	2/13	5/13	8/13	11/13	2/14	5/14	8/14	11/14	2/15	5/15	8/15	11/15	2/16	5/16	8/16	11/16	2/17	5/17	8/17	11/17
PCE	1.4	1.5	0.9	0.94	1.8	1.9	0.94	0.86	0.79	1.4	0.75	0.77	1.4	1	0.89	0.98	2.0	2.5	1.2	0.87	1.54	1.22	1.01	0.644
TCE	17	27	11	6.8	28	25	8.2	6.6	5.8	23	8.8	8	22	15	7.0	6.8	30	46	10	8.62	23.6	16.4	9.23	5.6
1,1-DCE	<0.2	<0.2	<0.2	<0.2	0.35	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.28	0.51	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-DCE,cis	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

MW-4	2/12	5/12	8/12	11/12	2/13	5/13	8/13	11/13	2/14	5/14	8/14	11/14	2/15	5/15	8/15	11/15	2/16	5/16	8/16	11/16	2/17	5/17	8/17	11/17
PCE	0.6	0.53	0.56	0.7	0.5	0.66	0.64	1.3	0.74	0.43	0.51	0.48	0.47	0.36	0.40	0.52	0.55	0.47	0.54	0.44	0.407	0.402	0.278	0.478
TCE	9.8	11	11	12	6.8	8.7	10	24	13	6.5	9.1	7.5	6.1	4.9	5.1	4.9	5.7	5.5	6.4	5.22	4.56	4.78	4.45	5.74
1,1-DCE	0.8	1.1	1.3	1.1	0.88	0.88	1.4	1	1.3	1.2	1.5	1.2	1	0.81	1.0	0.91	0.85	1.2	0.99	0.75	0.58	0.73	0.63	0.77
1,2-DCE,cis	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VINYL CHLORIDE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

MW-13	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
PCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.024	<0.020	<0.020	<0.020	<0.020
1,2-DCE,cis	0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VINYL CHLORIDE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

MW-6	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
PCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TCE	0.78	0.58	0.8	0.54	0.54	0.41	0.52	0.52	0.70	0.34	0.487	0.485
1,2-DCE,cis	0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VINYL CHLORIDE	<0.020	<0.020	<0.020	<0.020	<0.20	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

MW-12	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
TCE	<0.020	<0.020	<0.020	<0.02	<0.02	<0.020	<0.020	0.044	<0.020	<0.020	<0.020	<0.020

EPI-MW-3S	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
TCE	4.4	3.4	4.2	3.1	3.3	2.7	2.9	2.8	3.0	1.8	1.95	2.52
1,1-DCE	0.4	0.35	0.31	0.39	0.61	0.48	0.53	0.42	0.37	0.43	0.48	0.50
1,2-DCE,cis	23	21	23	26	41	30	37	24	26	30	32.4	34.3
VINYL CHLORIDE	0.21	0.18	0.23	0.26	0.41	0.33	0.36	0.36	0.44	0.37	0.403	0.522

MW-21S	2/12	5/12	8/12	11/12	2/13	5/13	8/13	11/13	2/14	5/14	8/14	11/14
PCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TCE	3.1	2.8	1.4	2.3	2.0	1.0	1.4	2.5	2.5	2.2	1.5	2.2
1,2-DCE,cis	1.1	1.1	0.37	0.63	0.4	0.27	0.53	0.62	0.83	0.5	0.53	0.5
	2/15	5/15	8/15	11/15	2/16	5/16	8/16	11/16	2/17	5/17	8/17	11/17
PCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TCE	1.9	2.0	1.7	2.2	2.3	2.5	1.8	1.82	1.7	1.9	1.54	1.77
1,2-DCE,cis	0.54	0.45	0.26	0.62	0.50	0.49	0.41	0.50	0.38	0.37	0.28	0.63

EPI-MW-4S	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
TCE	5.4	4.3	5.6	6	3.7	4.3	6.5	5	4.5	3.2	4.25	4.69
1,1-DCE	<0.2	<0.2	0.3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-DCE,cis	1.5	2.1	3.3	2.7	3.9	2.9	4.8	3.5	1.1	2.4	2.89	2.78
VINYL CHLORIDE	0.027	0.036	0.045	0.046	0.045	0.049	0.048	0.061	<0.020	0.040	0.0448	0.0535

MW-10	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
TCE	0.033	0.049	0.039	0.069	0.076	0.066	0.045	0.085	0.076	0.066	0.0457	0.0852

MW-11	2/12	5/12	8/12	11/12	2/13	5/13	8/13	11/13	2/14	5/14	8/14	11/14	2/15	5/15	8/15	11/15	2/16	5/16	8/16	11/16	2/17	5/17	8/17	11/17
TCE	6.2	4	6	9.6	6.4	5.5	8.5	11	9.6	7.5	9.2	11	11	5.6	9.3	10	9.2	5.4	7.4	9.25	6.27	4.89	7.36	10.8
1,1-DCE	0.4	0.2	0.38	0.76	0.52	0.42	0.93	1.6	1.6	1.2	1.4	1.4	1.7	1	1.7	3.2	1.2	0.56	1.3	1.68	1.00	0.64	1.19	2.72
1,2-DCE,cis	16	10	13	24	17	15	25	40	39	29	36	37	46	30	38	70	37	18	39	49.8	32.3	25.1	37.1	77.4
VINYL CHLORIDE	0.18	0.085	0.11	0.22	0.2	0.14	0.28	0.33	0.36	0.38	0.43	0.61	0.55	0.35	0.59	0.78	0.71	0.13	0.33	0.692	0.569	0.184	0.385	0.789

MW-8S	2/12	5/12	8/12	11/12	2/13	5/13	8/13	11/13	2/14	5/14	8/14	11/14	2/15	5/15	8/15	11/15	2/16	5/16	8/16	11/16	2/17	5/17	8/17	11/17
PCE	0.03	0.033	0.032	0.024	0.041	0.043	0.029	<0.020	<0.020	0.036	<0.020	<0.020	0.026	<0.020	<0.020	<0.020	<0.020	0.041	<0.020	0.0332	0.0339	<0.020	0.0370	<0.020
TCE	8.0	9.3	9.3	5.6	7.3	8.3	9.7	1.6	2.6	6.4	1.7	1.4	5.9	2.0	1.3	1.1	5.4	6.4	3.2	5.88	4.49	5.44	5.60	0.703
1,1-DCE	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-DCE,cis	0.5	0.3	0.48	0.45	0.25	0.36	2.3	0.88	0.83	0.22	0.75	0.22	0.22	0.27	0.32	0.28	0.24	0.24	1.0	0.32	<0.20	<0.20	0.50	<0.20
VINYL CHLORIDE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

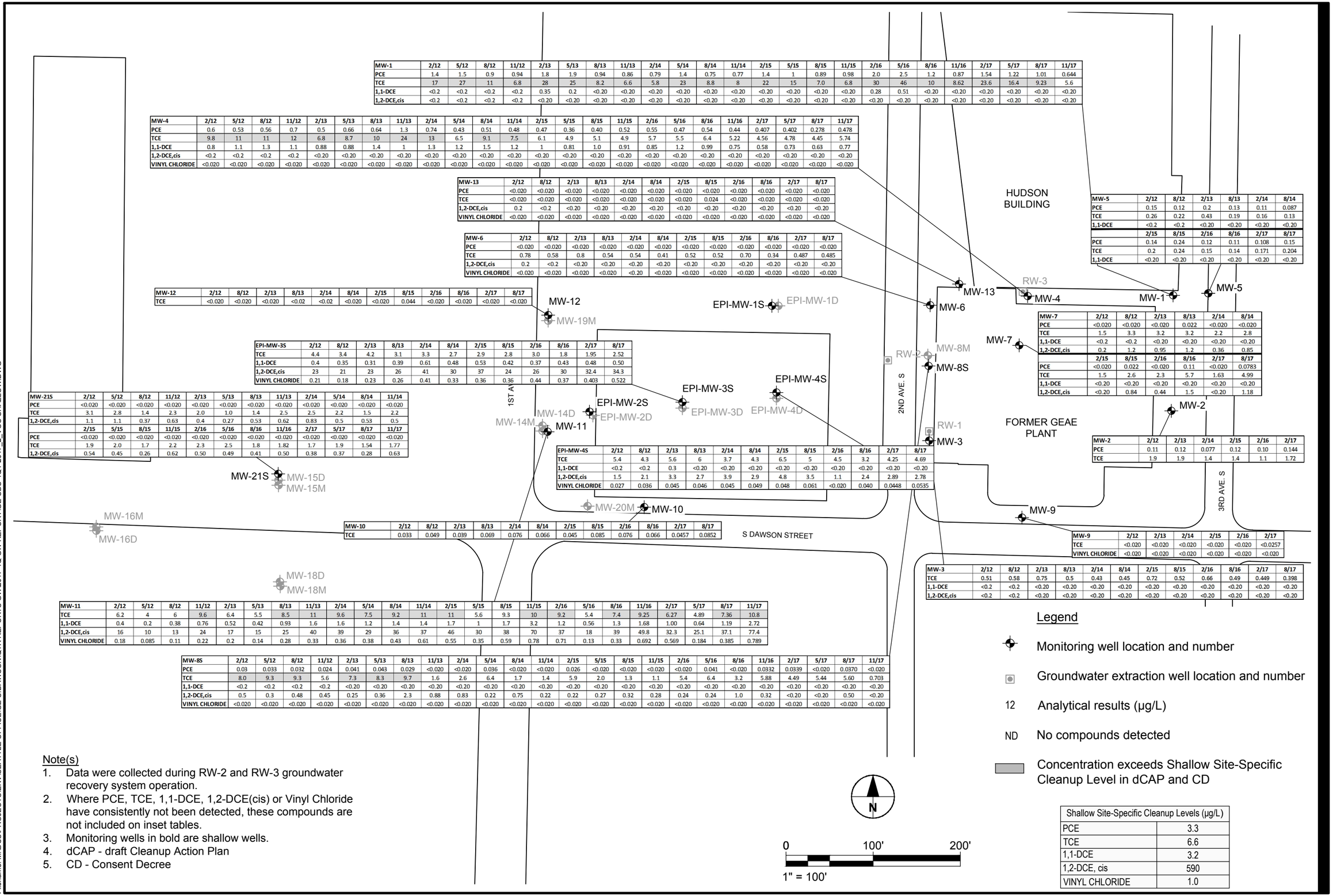
MW-5	2/12	8/12	2/13	8/13	2/14	8/14
PCE	0.15	0.12	0.2	0.13	0.11	0.087
TCE	0.26	0.22	0.43	0.19	0.16	0.13
1,1-DCE	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
	2/15	8/15	2/16	8/16	2/17	8/17
PCE	0.14	0.24	0.12	0.11	0.108	0.15
TCE	0.2	0.24	0.15	0.14	0.171	0.204
1,1-DCE	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

MW-7	2/12	8/12	2/13	8/13	2/14	8/14
PCE	<0.020	<0.020	<0.020	0.022	<0.020	<0.020
TCE	1.5	3.3	3.2	3.2	2.2	2.8
1,1-DCE	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
1,2-DCE,cis	0.2	1.2	0.95	1.2	0.36	0.85
	2/15	8/15	2/16	8/16	2/17	8/17
PCE	<0.020	0.022	<0.020	0.11	<0.020	0.0783
TCE	1.5	2.6	2.3	5.7	1.63	4.99
1,1-DCE	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-DCE,cis	<0.20	0.84	0.44	1.5	<0.20	1.18

MW-2	2/12	2/13	2/14	2/15	2/16	2/17
PCE	0.11	0.12	0.077	0.12	0.10	0.144
TCE	1.9	1.9	1.4	1.4	1.1	1.72

MW-9	2/12	2/13	2/14	2/15	2/16	2/17
TCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.0257
VINYL CHLORIDE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

MW-3	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
TCE	0.51	0.58	0.75	0.5	0.43	0.45	0.72	0.52	0.66	0.49	0.449	0.398
1,1-DCE	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-DCE,cis	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20



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

Note(s)

1. Data were collected during RW-2 and RW-3 groundwater recovery system operation.
2. 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.
3. Monitoring wells in bold are shallow wells.
4. dCAP - draft Cleanup Action Plan
5. CD - Consent Decree

GE
2017 4th Quarter Groundwater Report
220 South Dawson Street, Seattle, WA
Project No.: 60512400 Date: 01/11/18

Last saved by: SCHWARTZE (2018-01-22) Last Plotted: 2018-02-16
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Project Management Initials: Designer: E.S.S./deBchecked: Approved:____ ANSI B 11" x 17"

AECOM

Figure: 3

VOC CONCENTRATIONS IN INTERMEDIATE AND DEEP GROUNDWATER WELLS 2012 TO PRESENT

MW-14D	2/12	5/12	8/12	11/12	2/13	5/13	8/13	11/13	2/14	5/14	8/14	11/14
PCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TCE	0.081	0.069	0.061	0.089	0.047	0.08	0.058	<0.020	0.057	0.05	0.043	0.059
1,2-DCE,cis	1.1	1.0	0.86	1.1	0.83	1.2	1.0	1.2	0.96	0.97	1.1	<0.20
VINYL CHLORIDE	0.033	0.034	0.036	0.042	0.038	0.052	0.05	0.046	0.039	0.036	0.048	0.061
	2/15	5/15	8/15	11/15	2/16	5/16	8/16	11/16	2/17	5/17	8/17	11/17
PCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TCE	0.057	0.063	0.054	0.064	0.12	0.13	0.031	0.139	0.050	0.0521	0.0736	0.0826
1,2-DCE,cis	1.1	1.2	1.1	1.3	1.2	1.1	0.99	1.45	1.22	1.25	1.11	2.40
VINYL CHLORIDE	0.048	0.064	0.059	0.074	0.086	0.074	0.057	<0.020	0.0881	0.0865	0.0940	0.111

MW-14M	2/12	5/12	8/12	11/12	2/13	5/13	8/13	11/13	2/14	5/14	8/14	11/14
TCE	62	52	58	74	60	62	58	73	64	53	55	63
1,1-DCE	16	13	15	17	15	14	14	14	14	11	10	8.9
1,2-DCE,cis	96	84	93	140	110	130	120	170	130	130	140	140
VINYL CHLORIDE	0.85	0.65	1.1	1.2	0.97	1.3	1.6	1.4	1.4	1.3	1.1	1.0
	2/15	5/15	8/15	11/15	2/16	5/16	8/16	11/16	2/17	5/17	8/17	11/17
TCE	60	40	40	41	41	29	28	32.8	28.6	18	21.6	25
1,1-DCE	14	8.5	9.1	15	10	8.2	6.4	10.5	6.97	5.95	5.84	11.1
1,2-DCE,cis	160	120	160	160	130	150	120	156	125	116	134	188
VINYL CHLORIDE	1.4	1.1	1.1	1.5	1.3	0.98	0.91	1.29	1.34	0.941	0.904	1.11

MW-17D	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17
1,2-DCE,cis	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

MW-17M	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17
1,2-DCE,cis	<0.2	<0.2	<0.20	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

MW-18D	2/12	8/12	2/13	8/13	2/14	8/14
TCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
1,2-DCE,cis	0.7	1.2	1.4	1.4	1.8	1.9
VINYL CHLORIDE	<0.020	0.024	0.03	0.023	0.036	0.034
	2/15	8/15	2/16	8/16	2/17	8/17
TCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
1,2-DCE,cis	1.5	2.0	0.24	2.2	0.78	2.09
VINYL CHLORIDE	<0.020	0.044	<0.020	0.035	<0.020	0.0420

MW-18M	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
1,2-DCE,cis	2.7	3.2	2.8	3.3	3.7	3.0	3.0	3.3	2.3	2.8	2.27	2.55
VINYL CHLORIDE	<0.020	<0.020	<0.020	<0.020	0.028	0.033	0.027	0.047	<0.020	0.037	0.0339	0.0305

MW-15M	2/12	5/12	8/12	11/12	2/13	5/13	8/13	11/13	2/14	5/14	8/14	11/14
TCE	46	43	45	41	38	43	47	49	51	41	42	44
1,1-DCE	0.6	0.6	0.66	0.65	0.61	0.61	0.73	0.62	0.65	0.54	0.57	0.48
1,2-DCE,cis	17	16	16	18	14	16	15	17	18	13	13	12
VINYL CHLORIDE	0.045	0.1	0.088	0.079	0.069	0.067	0.056	0.054	0.058	0.042	0.041	0.051
	2/15	5/15	8/15	11/15	2/16	5/16	8/16	11/16	2/17	2/17	8/17	11/17
TCE	45	37	37	38	44	41	36	37.7	38.4	38	36.3	38.6
1,1-DCE	0.61	0.48	0.56	0.54	0.51	0.72	0.44	0.51	0.50	0.64	0.55	0.59
1,2-DCE,cis	13	9.9	10	10	11	12	9.2	11.8	11.2	14.3	11.5	13.3
VINYL CHLORIDE	0.048	0.044	0.048	0.057	0.12	0.12	0.082	<0.020	0.143	0.116	0.121	0.0975

MW-15D	2/12	5/12	8/12	11/12	2/13	5/13	8/13	11/13	2/14	5/14	8/14	11/14
TCE	17	39	43	12	43	39	40	10	6.8	46	42	2.9
1,1-DCE	0.4	0.6	0.68	0.38	0.74	0.77	0.97	0.44	0.42	1.2	1.3	0.29
1,2-DCE,cis	54	64	56	53	58	60	64	60	61	61	73	52
VINYL CHLORIDE	0.47	0.58	0.66	0.51	0.73	0.8	0.73	0.64	0.63	0.88	0.92	0.67
	2/15	5/15	8/15	11/15	2/16	5/16	8/16	11/16	2/17	5/17	8/17	11/17
TCE	39	37	31	3.3	3.3	44	46	5.35	2.93	32.6	38.7	5.31
1,1-DCE	1.2	1.3	1.2	0.4	0.37	1.6	1.6	0.33	0.30	1.23	1.65	0.43
1,2-DCE,cis	74	60	58	56	53	71	67	48.7	46	58.8	73	66.7
VINYL CHLORIDE	0.9	1	0.89	0.67	0.84	1.1	1.2	0.607	0.818	1.02	1.26	0.626

MW-20M	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
TCE	0.27	0.15	0.41	0.26	0.24	0.19	0.17	0.25	0.17	0.20	<0.020	0.263
1,2-DCE,cis	0.3	0.33	0.43	0.46	0.54	0.36	0.36	0.47	0.20	0.57	0.29	0.55
VINYL CHLORIDE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.026	<0.020	<0.020	0.0201	0.0229

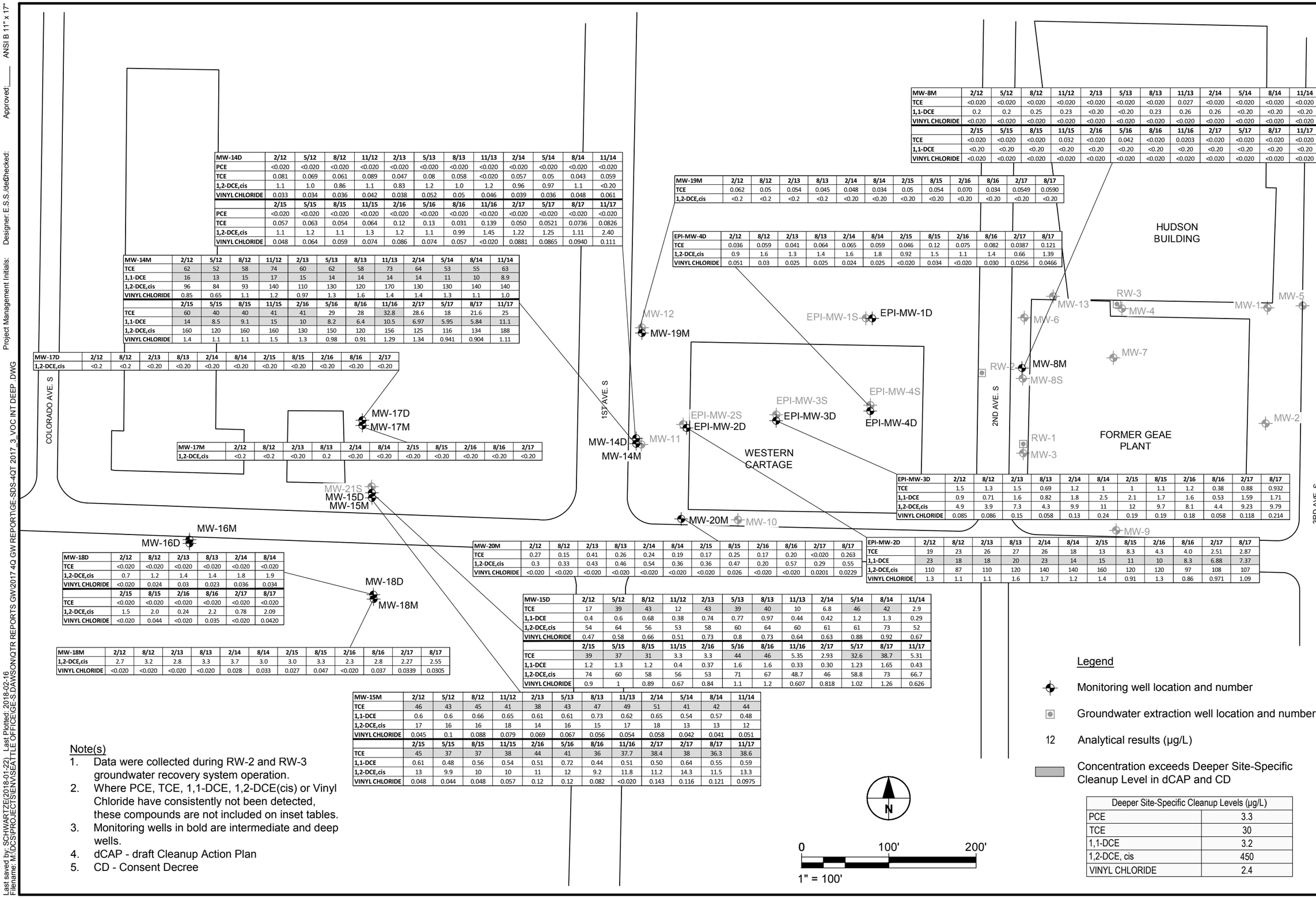
MW-19M	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
TCE	0.062	0.05	0.054	0.045	0.048	0.034	0.05	0.054	0.070	0.034	0.0549	0.0590
1,2-DCE,cis	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

EPI-MW-4D	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
TCE	0.036	0.059	0.041	0.064	0.065	0.059	0.046	0.12	0.075	0.082	0.0387	0.121
1,2-DCE,cis	0.9	1.6	1.3	1.4	1.6	1.8	0.92	1.5	1.1	1.4	0.66	1.39
VINYL CHLORIDE	0.051	0.03	0.025	0.025	0.024	0.025	<0.020	0.034	<0.020	0.030	0.0256	0.0466

MW-8M	2/12	5/12	8/12	11/12	2/13	5/13	8/13	11/13	2/14	5/14	8/14	11/14
TCE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.027	<0.020	<0.020	<0.020	<0.020
1,1-DCE	0.2	0.2	0.25	0.23	<0.20	<0.20	0.23	0.26	0.26	<0.20	<0.20	<0.20
VINYL CHLORIDE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
	2/15	5/15	8/15	11/15	2/16	5/16	8/16	11/16	2/17	5/17	8/17	11/17
TCE	<0.020	<0.020	<0.020	0.032	<0.020	0.042	<0.020	0.0203	<0.020	<0.020	<0.020	<0.020
1,1-DCE	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
VINYL CHLORIDE	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

EPI-MW-3D	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
TCE	1.5	1.3	1.5	0.69	1.2	1	1	1.1	1.2	0.38	0.88	0.932
1,1-DCE	0.9	0.71	1.6	0.82	1.8	2.5	2.1	1.7	1.6	0.53	1.59	1.71
1,2-DCE,cis	4.9	3.9	7.3	4.3	9.9	11	12	9.7	8.1	4.4	9.23	9.79
VINYL CHLORIDE	0.085	0.086	0.15	0.058	0.13	0.24	0.19	0.19	0.18	0.058	0.118	0.214

EPI-MW-2D	2/12	8/12	2/13	8/13	2/14	8/14	2/15	8/15	2/16	8/16	2/17	8/17
TCE	19	23	26	27	26	18	13	8.3	4.3	4.0	2.51	2.87
1,1-DCE	23	18	18	20	23	14	15	11	10	8.3	6.88	7.37
1,2-DCE,cis	110	87	110	120	140	140	160	120	120	97	108	107
VINYL CHLORIDE	1.3	1.1	1.1	1.6	1.7	1.2	1.4	0.91	1.3	0.86	0.971	1.09



Note(s)

1. Data were collected during RW-2 and RW-3 groundwater recovery system operation.
2. 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.
3. Monitoring wells in bold are intermediate and deep wells.
4. dCAP - draft Cleanup Action Plan
5. CD - Consent Decree

Legend

- Monitoring well location and number
- Groundwater extraction well location and number
- 12 Analytical results (µg/L)
- Concentration exceeds Deeper Site-Specific Cleanup Level in dCAP and CD

Deeper Site-Specific Cleanup Levels (µg/L)	
PCE	3.3
TCE	30
1,1-DCE	3.2
1,2-DCE, cis	450
VINYL CHLORIDE	2.4

GE
2017 4th Quarter Groundwater Report
220 South Dawson Street, Seattle, WA
Project No.: 60512400 Date: 02/16/18

AECOM

Figure: 4

1,1-DCE CONCENTRATION IN GROUNDWATER
NOVEMBER 2017
SHALLOW WELLS

COLORADO AVE. S

1ST AVE. S

2ND AVE. S

3RD AVE. S

S DAWSON STREET

HUDSON BUILDING

FORMER GEAE PLANT

WESTERN CARTAGE

MW-12
MW-19M
MW-14D
MW-14M
MW-11
2.72
EPI-MW-1S
EPI-MW-1D
EPI-MW-2S
EPI-MW-2D
EPI-MW-3S
EPI-MW-3D
EPI-MW-4S
EPI-MW-4D
MW-13
RW-3
MW-1
<0.20
MW-4
0.77
MW-5
MW-6
MW-7
RW-2
MW-8M
MW-8S
<0.20
MW-2
RW-1
MW-3
MW-9
MW-17D
MW-17M
MW-21S
<0.20
MW-15D
MW-15M
MW-16M
MW-16D
MW-18D
MW-18M
MW-20M
MW-10

No detections above 3.2 µg/L,
data not contoured

Legend

- Monitoring well location and number
- Groundwater extraction well location and number
- 0.51 1,1-DCE concentration (µg/L)
- Primary groundwater flow direction

N

0 100' 200'

1" = 100'

Note(s)

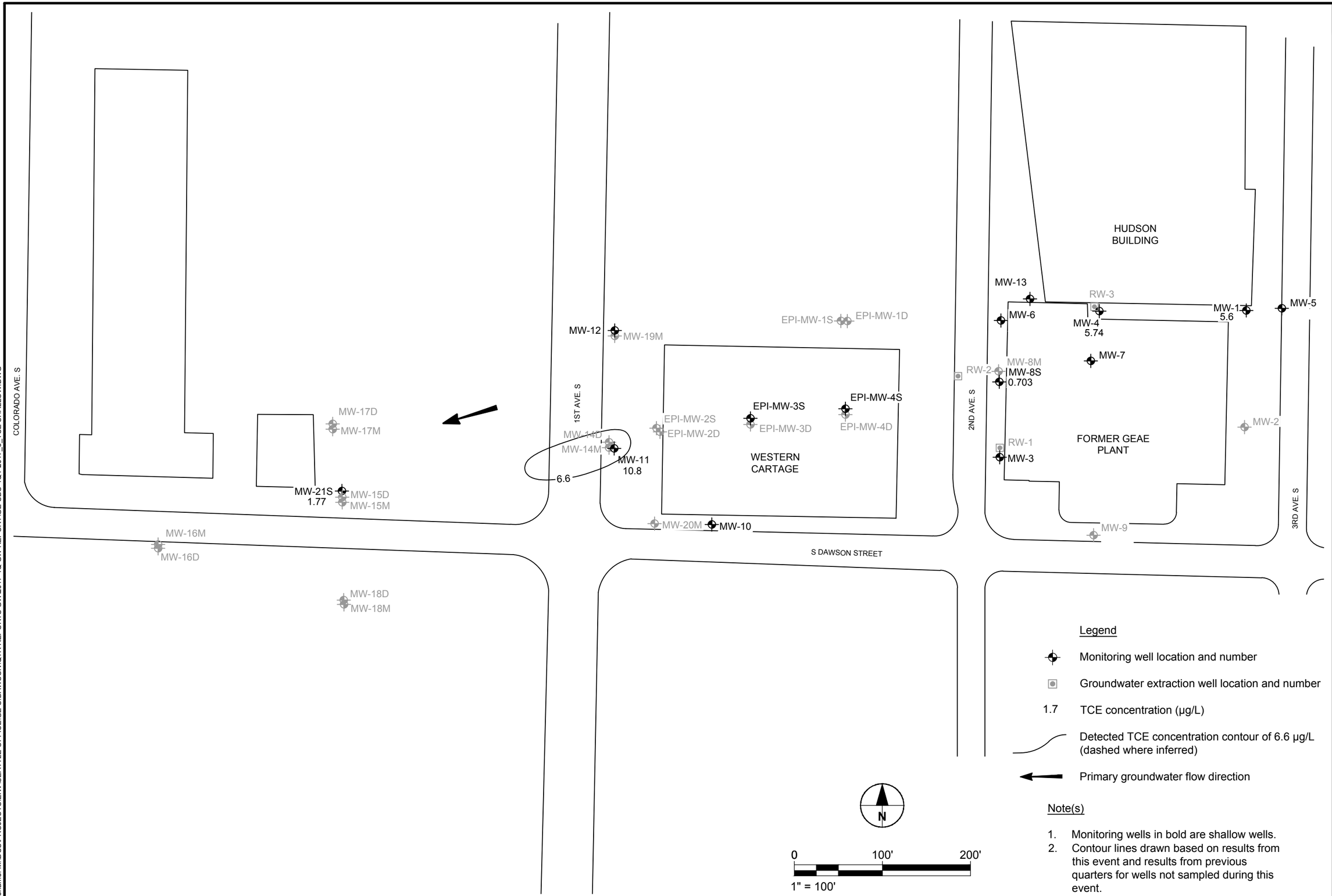
1. Monitoring wells in bold are shallow wells.
2. No detections above 3.2µg/L, data not contoured

GE
2017 4th Quarter Groundwater Report
220 South Dawson Street, Seattle, WA
Project No.: 60512400 Date: 01/11/18

AECOM

Figure: 5

TCE CONCENTRATION IN GROUNDWATER
NOVEMBER 2017
SHALLOW WELLS



Legend

- Monitoring well location and number
- Groundwater extraction well location and number
- 1.7 — TCE concentration (µg/L)
- Detected TCE concentration contour of 6.6 µg/L (dashed where inferred)
- Primary groundwater flow direction

Note(s)

1. Monitoring wells in bold are shallow wells.
2. Contour lines drawn based on results from this event and results from previous quarters for wells not sampled during this event.

GE
2017 4th Quarter Groundwater Report
220 South Dawson Street, Seattle, WA
Project No.: 60512400 Date: 01/11/18

Project Management Initials: Designer:E.S.S. Checked:CL/sea Approved:____ ANSI B 11" x 17"

Last saved by: SCHWARTZE(2018-01-11) Last Plotted: 2018-01-11
Filename: M:\DOS\PROJECTS\ENV\SEA\TTLE OFFICE\GE-S DAWSON\QTR REPORTS GW\2017 4Q GW REPORT\GE-SDS-4QT 2017_6_DCE DEEP.DWG

COLORADO AVE. S

1ST AVE. S

2ND AVE. S

3RD AVE. S

S DAWSON STREET

HUDSON BUILDING

FORMER GEAE PLANT

WESTERN CARTAGE

MW-17D
MW-17M
MW-21S
MW-15D 0.43
MW-15M 0.59
MW-16M <0.20
MW-16D <0.20
MW-18D
MW-18M
MW-12
MW-19M
MW-14D <0.20
MW-11
MW-14M 11.1
EPI-MW-1S
EPI-MW-1D
EPI-MW-2S
EPI-MW-2D
EPI-MW-3S
EPI-MW-3D
EPI-MW-4S
EPI-MW-4D
MW-20M
MW-10
MW-13
RW-3
MW-6
MW-4
MW-12
MW-5
RW-2
MW-8M <0.20
MW-8S
MW-7
MW-2
RW-1
MW-3
MW-9

3.2

N

0 100' 200'

1" = 100'

Legend

- Monitoring well location and number
- Groundwater extraction well location and number
- 1.59 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.
2. Contour lines drawn based on results from this event and results from previous quarters for wells not sampled during this event.

1,1-DCE CONCENTRATION IN GROUNDWATER
NOVEMBER 2017
INTERMEDIATE AND DEEP WELLS

AECOM
Figure: 6

GE
2017 4th Quarter Groundwater Report
220 South Dawson Street, Seattle, WA
Project No.: 60512400 Date: 01/11/18

AECOM

Figure: 7

TCE CONCENTRATION IN GROUNDWATER
AUGUST 2017
INTERMEDIATE AND DEEP WELLS

COLORADO AVE. S

1ST AVE. S

2ND AVE. S

3RD AVE. S

S DAWSON STREET

HUDSON BUILDING

FORMER GEAE PLANT

WESTERN CARTAGE

MW-17D
MW-17M
MW-21S
MW-15D 5.31
MW-15M 38.6
MW-16M 0.0385
MW-16D 0.0221
MW-18D
MW-18M
MW-14D 0.0826
MW-14M 25
MW-11
MW-12
MW-19M
EPI-MW-2S
EPI-MW-2D
EPI-MW-3S
EPI-MW-3D
EPI-MW-4S
EPI-MW-4D
EPI-MW-1S
EPI-MW-1D
MW-20M
MW-10
MW-13
MW-6
RW-3
MW-4
MW-12
MW-5
MW-7
RW-2
MW-8M <0.020
MW-8S
MW-2
RW-1
MW-3
MW-9

30

Legend

- Monitoring well location and number
- Groundwater extraction well location and number
- 4.3 TCE concentration (µg/L)
- Detected TCE concentration contour of 30µg/L (dashed where inferred)
- Primary groundwater flow direction

N

0 100' 200'

1" = 100'

Note(s)

1. Monitoring wells in bold are intermediate and deep wells.
2. Contour lines drawn based on results from this event and results from previous quarters for wells not sampled during this event.

GE
2017 4th Quarter Groundwater Report
220 South Dawson Street, Seattle, WA
Project No.: 60512400 Date: 01/11/18

Project Management Initials: Designer: EM/fc Checked: CL/sea Approved:____ ANSI B 11" x 17"

Last saved by: SCHWARTZE (2018-01-11) Last Plotted: 2018-01-11
Filename: M:\DCS\PROJECTS\ENV\SEATTLE\OFFICE\GE-S DAWSON\QTR REPORTS GW\2017 4Q GW REPORT\GE-SDS-4QT 2017_7_TCE DEEP.DWG

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]	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

ARI Assigned Number:	Turn-around Requested: Standard	Page: 1 of 2	
ARI Client Company: AECOM	Phone: 206-438-2700	Date: 12-4-17	Ice Present?
Client Contact: Jason Palmer		No. of Coolers:	Cooler Temps: 2.9 BF
Client Project Name: GE.			
Client Project #: 60512400	Samplers: Abdulrhani Sebbar		

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

Sample ID	Date 2017	Time	Matrix	No. Containers	Analysis Requested: VOCs 8260	Analysis Requested: VOCs 8260 SIM: TCE DCE, VC	Notes/Comments
MW-1-1117	11/30	1510	GW	5	X	X	
MW-4-1117	11/30	1615		5	X	X	
MW-8S-1117	11/29	1230		5	X	X	
MW-8M-1117	11/29	1120		5	X	X	
MW-11-1117	11/29	1500		5	X	X	
MW-14M-1117	11/29	1430		5	X	X	
MW-14D-1117	11/29	1355		5	X	X	
MW-15M-1117	12/01	1630		5	X	X	
MW-15D-1117	12/01	1550		5	X	X	
MW-16M-1117	11/29	1625		5	X	X	

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Abdulrhani Sebbar	Printed Name: Brandon Fisk	Printed Name:	Printed Name:
	Company: AECOM	Company: ARI	Company:	Company:
	Date & Time: 12-4-17 @ 1200	Date & Time: 12/4/17 1200	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, not withstanding 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

ARI Assigned Number:	Turn-around Requested: Standard	Page: 1 of 1	
ARI Client Company: AECOM	Phone: 206-438-2700	Date: 12-4-17	Ice Present?
Client Contact: Jason Palmer		No. of Coolers:	Cooler Temps: BF 2.9
Client Project Name: GE			
Client Project #: 60512400	Samplers: Abdelghani Selkane		

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

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: VOCs 8260	Notes/Comments
Discharge - 1117	11-29-17	1700	GW	3	X	

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Abdelghani Selkane	Printed Name: Brandon Fisk	Printed Name:	Printed Name:
	Company: AECOM	Company: ARI	Company:	Company:
	Date & Time: 12-4-17 @ 12:00	Date & Time: 12/4/17 1200	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, not withstanding 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

ARI Assigned Number:	Turn-around Requested: Standard	Page: 2 of 2	
ARI Client Company: AECOM	Phone: 206-438-2700	Date: 12-4-17	Ice Present?
Client Contact: Jason palmer		No. of Coolers:	Cooler Temps:
Client Project Name: GE			
Client Project #: 60512400	Samplers: Abdulghani Sebbane		

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

Sample ID	Date 2017	Time	Matrix	No. Containers	Analysis Requested: VOCs 8260	Analysis Requested: VOCs 8260 SIM: TCE PCE: VC	Notes/Comments
MW-16D-1117	11/30	1035	GW	15	X	X	
MW-21S-1117	11/30	1405	GW	5	X	X	
MW-400-1117	11/30	1330	GW	5	X	X	
MW-210S-1117	11/30	1200	GW	5	X	X	
TB-1117	—	—	W	2	X	X	

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Abdulghani Sebbane	Printed Name: Brandon Fisk	Printed Name:	Printed Name:
	Company: AECOM	Company: ARI	Company:	Company:
	Date & Time: 12-4-17 @ 1200	Date & Time: 12/4/17 1200	Date & Time:	Date & Time:

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WELL GAUGING LOG (pg 1 of 2)

AECOM

Project Name: GE S. Dawson St.

Date: 11/29/2017

Project No. 60512400-200.2

Gauged by: Abdelghani S. Dave L. Larry B.

Weather: Overcast **Events:** Annual Groundwater Gauging and Sampling

WELL NUMBER	TIME WELL OPENED	INITIAL DTW (ft)	TIME	Measurment to Top of PVC Casing				Remarks
				DTW (ft)	Agu 2017 DTW (ft)	Nov 2016 DTW (ft)	TWD (ft)	
MW-1	1314	8.73	9:10		9.16	8.63	16.50	
MW-2	13.06	8.90			9.02	8.40	16.50	
MW-3	1232	7.82			8.06	7.32	16.00	
MW-4	1317	10.70			10.79	10.79	17.00	
MW-5	13.10	8.54			8.12	8.05	20.00	
MW-6	1217	8.73			8.85	8.26	20.00	
MW-7	1002	11.33			11.48	10.80	20.00	
MW-8S	1135	8.64			8.78	8.12	19.00	
MW-8M	1032	8.46	1048	8.46	8.63	7.98	20.00	
MW-9	1301	7.30			7.65	6.85	20.00	
MW-10	1105	8.61			8.81	8.10	19.00	
MW-11	1110	8.77			8.87	8.26	20.00	
MW-12	1121	9.02			9.10	8.57	20.00	
MW-13	1220	9.36			9.53	8.90	19.00	
MW-14M	1114	8.64	1125	8.64	8.75	8.19	30.00	
MW-14D	1115	8.15	1127	8.15	8.38	7.72	55.00	
MW-15M	1515	8.52	1627	8.53	8.72	8.14	30.00	
MW-15D	1517	8.19	1630	8.18	8.42	7.75	55.00	
MW-16M	1547	8.60	1554	8.60	8.80	8.22	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: 11/29/2017

WELL NUMBER	TIME WELL OPENED	INITIAL DTW (ft)	TIME	Measurment to Top of PVC Casing				Remarks
				DTW (ft)	Agu 2017 DTW (ft)	Nov 2016 DTW (ft)	TWD (ft)	
MW-16D	0953	8.30	1004	8.31	8.65	7.92	55.00	
MW-17M	16.05	9.30	1636	9.30	9.46	8.90	30.00	
MW-17D	16.03	9.34	1633	9.38	9.62	8.93	55.00	
MW-18M	1432	7.33	1613	7.34	7.62	6.92	30.00	
MW-18D	1435	7.04	1616	7.15	7.48	6.70	55.00	
MW-19M	1119	8.92	1715	8.91	9.01	8.50	30.00	
MW-20M	1148	8.85	1710	8.84	9.06	8.38	30.00	
MW-21S	1520	8.65			8.80	8.30	16.00	
EPI-1S	1034	9.32	1355	9.32	9.49	8.81	15.00	
EPI-1D	1032	9.25	1353	9.25	9.42	8.89	30.00	
EPI-2S	1205	dry	—	—	Dry	Dry	15.00	DTB:
EPI-2D	1201	10.05	1400	10.05	10.22	9.46	30.00	
EPI-3S	1044	10.53	1345	10.53	10.59	9.94	15.00	
EPI-3D	1048	10.54	1340	10.54	10.60	9.95	30.00	
EPI-4S	1053	10.38	1335	10.38	10.46	9.75	15.00	
EPI-4D	1058	10.39	1330	10.39	10.46	9.80	30.00	
RW-1	1012	5.77			5.95	5.32	21.00	
RW-2	1253	8.40			10.32	10.30	22.00	**Flow Rate:** 5.95
RW-3	1318	1052			10.26	9.20	25.00	**Flow Rate:** 10.29

highlighted locations = gauge twice

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME	GE Dawson	**WELL NO.**	MW-1
PROJECT NO.	60512400-200.2	**SAMPLED BY**	D.L L.B A.S
DATE	11/30/2017	**WEATHER**	light rain 44°F

WELL INFORMATION		
DEPTH TO WATER	9.10 (ft) TOC	
DEPTH OF WELL	16.5 (ft)	
WELL DIAMETER	2 (inches)	
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:	1448												
TIME	1458	1501	1504	1507									
DTW (Ft-TOC)	NM	NM	NM	NM									
FLOW RATE (mL/min)	250	250	250	250									
TEMPERATURE (°C)	16.2	16.1	16.2	16.2									
CONDUCTIVITY (uS/cm)	310.2	311.6	311.2	310.5									
D. O. (mg/L)	0.32	0.28	0.30	0.27									
pH (units) (units)	5.97	5.96	5.96	5.96									
ORP (mv)	130.6	132.9	134.2	135.1									
TURBIDITY (NTU)	5.26	0.84	0.69	0.65									
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-1-1117	1510	VOC (Method 8260)	40 mL	3 ~~6~~	HCL
		VOC (Method 8260 SIM : TCE, PCE, Vinyl Chloride)	40 mL	2 ~~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: purge water is clear

~~Collected Duplicate MW-100-1117 @~~

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME	GE Dawson	**WELL NO.**	MW-4
PROJECT NO.	60512400-200.2	**SAMPLED BY**	L.B D.L. (AS)
DATE	11/30/2017	**WEATHER**	cloudy 42°F

WELL INFORMATION		
DEPTH TO WATER	10.76 (ft) TOC	
DEPTH OF WELL	17 (ft)	
WELL DIAMETER	2 (inches)	
FEET OF WATER		
WELL CONDITION	Good	
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:	1545												
TIME	1556	1559	1602	1605	1608								
DTW (Ft-TOC)	NM	NM	NM	NM	NM								
FLOW RATE (mL/min)	250	250	250	250	250								
TEMPERATURE (°C)	15.6	15.6	15.5	15.6	15.5								
CONDUCTIVITY (uS/cm)	254.1	253.6	254.5	255.6	254.6								
D. O. (mg/L)	2.20	2.03	1.95	1.89	1.83								
pH (units) (units)	6.20	6.21	6.20	6.21	6.21								
ORP (mv)	145.7	146.2	146.9	147.1	147.6								
TURBIDITY (NTU)	3.51	1.37	1.32	0.88	0.96								
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-4-1117	1615	VOC (Method 8260)	40 mL	6	HCL
		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:

Collected duplicate MW-400-1117 @ 1330

purge water is clear.

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME	GE Dawson	**WELL NO.**	MW-8S
PROJECT NO.	60512400-200.2	**SAMPLED BY**	L.B D.L. (A.S)
DATE	11/29/2017	**WEATHER**	cloudy 48-50 °F

WELL INFORMATION		
DEPTH TO WATER	8.64 (ft) TOC	
DEPTH OF WELL	19 (ft)	
WELL DIAMETER	2 (inches)	
FEET OF WATER		
WELL CONDITION	Good.	
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:	1150												
TIME	1200	1203	1213	1216	1219	1222	1225						
DTW (Ft-TOC)	8.70	8.70	8.69	8.69	8.69	8.70	8.70						
FLOW RATE (mL/min)	250	250	250	250	250	250	250						
TEMPERATURE (°C)	16.2	16.1	16.0	15.9	16.1	16.2	16.1						
CONDUCTIVITY (uS/cm)	234.4	232.4	235.0	234.6	234.5	234.4	234.5						
D. O. (mg/L)	0.56	0.45	0.44	0.43	0.44	0.43	0.44						
pH (units) (units)	6.34	6.37	6.39	6.40	6.39	6.38	6.38						
ORP (mv)	67.9	64.0	60.0	60.2	60.4	61.0	61.2						
TURBIDITY (NTU)	33.7	55.0	33.4	28.8	24.1	23.4	22.7						
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-8S-1117	1230	VOC (Method 8260)	40 mL	3	HCL
		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:

purge water is cloudy.

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME GE Dawson
PROJECT NO. 60512400-200.2
DATE 11/29/2017

WELL NO. MW-8M
SAMPLED BY L.B D.L. (A.S)
WEATHER light rain 47°F

WELL INFORMATION	
DEPTH TO WATER	8.46 (ft) TOC
DEPTH OF WELL	20 (ft)
WELL DIAMETER	2 (inches)
FEET OF WATER	
WELL CONDITION	Good.
PUMP ADJUSTMENT	NA (ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA													
START PURGE TIME:	1055												
TIME	1105	1108	1111	1114	1117								
DTW (Ft-TOC)	8.48	8.48	8.49	8.48	8.48								
FLOW RATE (mL/min)	250	250	250	250	250								
TEMPERATURE (°C)	15.5	15.4	15.6	15.5	15.4								
CONDUCTIVITY (uS/cm)	359.5	360.1	361.4	362.1	363.0								
D. O. (mg/L)	1.92	0.99	0.72	0.58	0.48								
pH (units) (units)	6.70	6.70	6.70	6.70	6.71								
ORP (mv)	-16.4	-17.5	-18.1	-19.4	-19.6								
TURBIDITY (NTU)	1.15	1.24	1.29	1.26									
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-8M-1117	1120	VOC (Method 8260)	40 mL	3	HCL
		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:

purge water is clear

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME	GE Dawson	**WELL NO.**	MW-11
PROJECT NO.	60512400-200.2	**SAMPLED BY**	L.B D.L. AS
DATE	11/29/2017	**WEATHER**	Cloudy 48°F

WELL INFORMATION		
DEPTH TO WATER	8.78 (ft) TOC	
DEPTH OF WELL	20 (ft)	
WELL DIAMETER	2 (inches)	
FEET OF WATER		
WELL CONDITION	Good.	
PUMP ADJUSTMENT	4.5 (ft)	NOTE: Only on Shallow Wells

Comments

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

PURGE DATA													
START PURGE TIME:	1436												
TIME	1446	1449	1452	1455									
DTW (Ft-TOC)	8.80	8.80	8.81	8.80									
FLOW RATE (mL/min)	250	250	250	250									
TEMPERATURE (°C)	17.1	17.1	17.0	17.1									
CONDUCTIVITY (uS/cm)	291.7	291.8	292.2	292.4									
D. O. (mg/L)	1.07	0.95	0.98	0.40									
pH (units) (units)	6.08	6.08	6.06	6.07									
ORP (mv)	101.7	104.5	106.1	107.8									
TURBIDITY (NTU)	0.71	0.91	0.86	0.78									
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-11-1117	1500	VOC (Method 8260)	40 mL	6	HCL
		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: purge water is clear

~~Collected Duplicate MW-110-1117 @~~

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME	GE Dawson	**WELL NO.**	MW-14M
PROJECT NO.	60512400-200.2	**SAMPLED BY**	L.B D.L. (A.S)
DATE	11/29/2017	**WEATHER**	cloudy 49°F.

WELL INFORMATION		
DEPTH TO WATER	8.66 (ft) TOC	
DEPTH OF WELL	30 (ft)	
WELL DIAMETER	2 (inches)	
FEET OF WATER		
WELL CONDITION	Good.	
PUMP ADJUSTMENT	NA (ft)	NOTE: Only on Shallow Wells

Comments

PURGE DATA													
START PURGE TIME:	1404												
TIME	1414	1417	1420	1423									
DTW (Ft-TOC)	8.68	8.69	8.68	8.68									
FLOW RATE (mL/min)	250	250	250	250									
TEMPERATURE (°C)	16.9	16.9	16.8	16.8									
CONDUCTIVITY (uS/cm)	360.1	360.8	360.1	359.9									
D. O. (mg/L)	0.25	0.26	0.27	0.27									
pH (units) (units)	6.29	6.29	6.29	6.29									
ORP (mv)	27.9	27.4	27.1	26.9									
TURBIDITY (NTU)	0.54	0.57	0.56	0.60									
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-14M-1117	1430	VOC (Method 8260)	40 mL	3	HCL
		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:

purge water is clear

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME	GE Dawson	**WELL NO.**	MW-14D
PROJECT NO.	60512400-200.2	**SAMPLED BY**	L.B D.L. (A.S)
DATE	11/29/2017	**WEATHER**	Cloudy 52°F

WELL INFORMATION		
DEPTH TO WATER	8.19 (ft) TOC	
DEPTH OF WELL	55 (ft)	
WELL DIAMETER	2 (inches)	
FEET OF WATER		
WELL CONDITION	Good	
PUMP ADJUSTMENT	NA (ft)	NOTE: Only on Shallow Wells

Comments

PURGE DATA													
START PURGE TIME:	1325												
TIME	1335	1338	1341	1344	1347	1350							
DTW (Ft-TOC)	8.23	8.24	8.24	8.24	8.24	8.23							
FLOW RATE (mL/min)	250	250	250	250	250	250							
TEMPERATURE (°C)	16.5	16.4	16.4	16.5	16.5	16.4							
CONDUCTIVITY (uS/cm)	437.4	443.1	445.5	448.1	449.5	450.1							
D. O. (mg/L)	0.38	0.32	0.30	0.29	0.29	0.28							
pH (units) (units)	6.79	6.81	6.82	6.82	6.84	6.85							
ORP (mv)	5.6	-0.9	-4.8	-8.1	-9.2	-10.0							
TURBIDITY (NTU)	1.68	1.32	1.66	1.25	1.30	1.21							
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-14D-1117	1355	VOC (Method 8260)	40 mL	3	HCL
		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:

purge Water is clear

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME	GE Dawson	**WELL NO.**	MW-15M
PROJECT NO.	60512400-200.2	**SAMPLED BY**	L.B D.L. (A.S)
DATE	12/1/2017	**WEATHER**	light rain 43°F

WELL INFORMATION		
DEPTH TO WATER	8.52 (ft) TOC	
DEPTH OF WELL	30 (ft)	
WELL DIAMETER	2 (inches)	
FEET OF WATER		
WELL CONDITION		No bolts
PUMP ADJUSTMENT	NA (ft)	NOTE: Only on Shallow Wells

Comments

PURGE DATA													
START PURGE TIME:	1610												
TIME	1620	1623	1626	1629									
DTW (Ft-TOC)	8.55	8.55	8.55	8.54									
FLOW RATE (mL/min)	250	250	250	250									
TEMPERATURE (°C)	14.6	14.5	14.5	14.5									
CONDUCTIVITY (uS/cm)	248.5	248.7	249.2	249.0									
D. O. (mg/L)	0.29	0.26	0.23	0.23									
pH (units) (units)	6.48	6.48	6.49	6.49									
ORP (mv)	32.7	32.6	32.4	32.3									
TURBIDITY (NTU)	3.40	2.55	2.35	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) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-15M-1117	1630	VOC (Method 8260)	40 mL	3	HCL
		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:

purge water is clear

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME	GE Dawson	**WELL NO.**	MW-15D
PROJECT NO.	60512400-200.2	**SAMPLED BY**	L.B D.L. (A.S)
DATE	12 / /2017	**WEATHER**	rain 43°F

WELL INFORMATION		
DEPTH TO WATER	8.14 (ft) TOC	
DEPTH OF WELL	55 (ft)	
WELL DIAMETER	2 (inches)	
FEET OF WATER		
WELL CONDITION	no bolds	
PUMP ADJUSTMENT	NA (ft)	NOTE: Only on Shallow Wells

Comments

PURGE DATA													
START PURGE TIME:	1515												
TIME	1525	1528	1531	1534	1537	1539	1542	1545	1548				
DTW (Ft-TOC)	8.19	8.18	8.20	8.19	8.20	8.20	8.20	8.20	8.20				
FLOW RATE (mL/min)	250	250	250	250	250	250	250	250	250				
TEMPERATURE (°C)	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2				
CONDUCTIVITY (uS/cm)	341.3	341.3	341.6	341.9	342.0	342.4	342.8	343.1	343.8				
D. O. (mg/L)	0.32	0.30	0.29	0.30	0.29	0.28	0.27	0.25	0.24				
pH (units) (units)	6.57	6.58	6.59	6.59	6.60	6.60	6.61	6.61	6.61				
ORP (mv)	32.0	28.1	26.3	24.4	23.7	22.5	21.9	20.4	19.7				
TURBIDITY (NTU)	42.6	36.0	34.8	31.5	29.7	28.4	25.1	24.7	23.8				
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-15D-1117	1550	VOC (Method 8260)	40 mL	3	HCL
		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: purge Water is cloudy -

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME GE Dawson
PROJECT NO. 60512400-200.2
DATE 11/29/2017

WELL NO. MW-16M
SAMPLED BY L.B D.L. (A.S)
WEATHER cloudy

WELL INFORMATION			
DEPTH TO WATER	8.60	(ft) TOC	
DEPTH OF WELL	30	(ft)	
WELL DIAMETER	2	(inches)	
FEET OF WATER			
WELL CONDITION			
PUMP ADJUSTMENT	NA	(ft)	NOTE: Only on Shallow Wells

Comments

PURGE DATA													
START PURGE TIME:	1600												
TIME	1610	1613	1616	1619	1621	1624							
DTW (Ft-TOC)	8.65	8.64	8.64	8.64	8.64	8.64							
FLOW RATE (mL/min)	250	250	250	250	250	250							
TEMPERATURE (°C)	15.5	15.4	15.5	15.5	15.5	15.4							
CONDUCTIVITY (uS/cm)	458.0	455.7	455.2	453.6	454.8	455.1							
D. O. (mg/L)	0.78	0.50	0.39	0.31	0.26	0.25							
pH (units) (units)	7.15	7.16	7.17	7.17	7.17	7.17							
ORP (mv)	-5.5	-10.4	-13.8	-14.1	-15.2	-15.1							
TURBIDITY (NTU)	8.39	5.25	4.57	3.43	3.14	3.01							
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-16M-1117	1625	VOC (Method 8260)	40 mL	3	HCL
		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:

purge water is clear

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME	GE Dawson	**WELL NO.**	MW-16D
PROJECT NO.	60512400-200.2	**SAMPLED BY**	L.B D.L. (A.S)
DATE	11/30/2017	**WEATHER**	rain 43°F.

WELL INFORMATION		
DEPTH TO WATER	8.30	(ft) TOC
DEPTH OF WELL	55	(ft)
WELL DIAMETER	2	(inches)
FEET OF WATER		
WELL CONDITION	Good	
PUMP ADJUSTMENT	NA	(ft) NOTE: Only on Shallow Wells

Comments

PURGE DATA													
START PURGE TIME:	1010												
TIME	1020	1023	1026	1029	1032								
DTW (Ft-TOC)	8.34	8.33	8.33	8.34	8.34								
FLOW RATE (mL/min)	250	250	250	250	250								
TEMPERATURE (°C)	14.7	14.6	14.6	14.4	14.5								
CONDUCTIVITY (uS/cm)	403.6	403.2	402.7	401.4	401.6								
D. O. (mg/L)	0.37	0.35	0.35	0.34	0.33								
pH (units) (units)	7.10	7.10	7.10	7.09	7.09								
ORP (mv)	-13.7	-15.6	-16.8	-17.1	-17.9								
TURBIDITY (NTU)	2.77	2.81	2.59	2.31	2.25								
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-16D-1117	1035	VOC (Method 8260)	40 mL	9	HCL
		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: purge water is clear

Collect MS/MSD

Note! small quantity of storm water seeped into a well. due to the rain. let it purge for while before collecting samples.

GROUNDWATER SAMPLING LOG

AECOM

PROJECT NAME	GE Dawson	**WELL NO.**	MW-21S
PROJECT NO.	60512400-200.2	**SAMPLED BY**	L.B D.L. A.S
DATE	11/30 /2017	**WEATHER**	light rain 44°F

WELL INFORMATION		
DEPTH TO WATER	8.65 (ft) TOC	
DEPTH OF WELL	16 (ft)	
WELL DIAMETER	2 (inches)	
FEET OF WATER		
WELL CONDITION	Good	
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:	1336												
TIME	1346	1349	1351	1354	1357	1400							
DTW (Ft-TOC)	8.72	8.72	8.71	8.70	8.71	8.72							
FLOW RATE (mL/min)	250	250	250	250	250	250							
TEMPERATURE (°C)	15.1	15.1	15.0	15.0	15.1	15.1							
CONDUCTIVITY (uS/cm)	270.7	271.7	271.8	271.2	271.5	271.4							
D. O. (mg/L)	0.54	0.47	0.45	0.43	0.42	0.40							
pH (units) (units)	6.47	6.47	6.47	6.47	6.47	6.47							
ORP (mv)	60.6	62.3	62.7	63.1	63.4	63.6							
TURBIDITY (NTU)	44.1	44.3	38.8	37.7	36.1	35.6							
PURGE DATA Continued from Above													
TIME													
DTW (Ft-TOC)													
FLOW RATE (mL/min)													
TEMPERATURE (°C)													
CONDUCTIVITY (uS/cm)													
D. O. (mg/L)													
pH (units) (units)													
ORP (mv)													
TURBIDITY (NTU)													
PURGE AND SAMPLE EQUIPT:	Dedicated QED pump												

SAMPLE NUMBER	SAMPLE TIME	ANALYSIS	CONTAINER	# BOTTLES	PRESERVATIVE
MW-21S-1117	1405	VOC (Method 8260)	40 mL	6	HCL
		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:

Collected Duplicate MW-210S-1117 @ 1200

purge water is turbide and cloudy.

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Field Activity Log

Project Name: BE
Project Number:
Field Activity: Qrtly GW sampling
Completed By: Abdelghani Sakhan
Date: 11-29-17
Weather: cloudy 45°F
Personnel on site: AS - DL

0645: Arrived to the site, put on PPE, filled out H&S tailgate form, and H&S tailgate meeting with Dave. and discussed scope of work.
0900: started mobilizing and calibrating Equipment YSI and turbidity meter.
0920: Dave started gauging a wells, and I began setting to sample.
0945: ~~same~~ 8 wells were parked over, and coordinated with Mckinstry to move acars, MW-16M-D also blocked by Truck.
1015: started setting up on MW-8M,
1055: Began purging on MW-8M, After 10min started recording parameters.
1120: Started sampling.
1150: Began purging on MW-8S, water is cloudy
1200: started taking parameters measurements.
1230: Began sampling., disposed purged water checked in with Dave, and helped him to gauge few wells, checked again on MW-16M-D. Not accessible.
1325: started purging on MW-14D for 10 min, and then began parameter readings.
1355: Began sampling.
1404: started purging on MW-14M. for 10min, and began recording parameters.
1430: Began sampling.
1436: started purging on MW-11. for 10 min
1500: sampled on MW-11, packed up, and disposed purge water.

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Field Activity Log

Project Name: GB GW Sampling · Date: 11-29-17

1600: started purging on MW-16M. After truck moved out.
1625: Began sampling
1645: packed up, check with David C. on sampling status, disposed purge water
1700: started collecting discharge RW-1 samples.

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Field Activity Log

Project Name: CBZ
Project Number:
Field Activity: Qrtly GW sampling ISCO Monitoring
Completed By: Abdulsalam Salloum
Date: 11-30-17
Weather: rain 44°F.
Personnel on site: AS. DC

0845: Arrived to the site, put on PPE. Filled out H&S tailgate form,
0900: started calibrating Equipments. YSI and turbidimeter.
0930: began setting up. on MW-16D.
1010: started purging on MW-16D for 10min and then began recording parameters.
1035: started sampling.
1100: stop sampling and went to do ISCO Monitoring.
1300: Back to the sampling, and started setting up on MW-21S.
1335: Began purging on MW-21S. For 10 min and then started taking parameter measurments.
1405: started sampling.
1448: Began purging on MW-1.
Also collected persulfate measurment.
1510: started sampling.
1545: Began purging on MW-4.
1615: started sampling. also collected dup. MW-400 @ 1330.
1645: packed up; disposed purge water.
1730: left a site.

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Field Activity Log

Project Name: GE GW sampling Date: 11-30-17

1100: Ecology (Dean) onsite, started setting up on ISCO wells
1115:
MW-22: DTW - 8.76 (weight: 2.14 LB
persulfate: 1400 ppm
1150: started purging on MW-25 for 10min 250 mL/min.
MW-25: DTW: 8.68 ft.
- persulfate before purge: 6-7 ppm
- " After purge: 5.6 ppm
1210: MW-26: DTW: 9.00 Ft.
purged for 10min 250mL/min
- persulfate before purge: < 0.7 ppm.
- " After purge: 0.0 ppm
1230: EW-5: 8.85 ft.
DTW: 8.85 Ft. weight: 2.15 LB.
persulfate: 1400 ppm
1250: EW-3:
DTW: 8.83 Ft: Weight: 2.13 LB.
persulfate: 1400 ppm
1450: MW-1: DTW: 9.10 ft.
persulfate before purge: 0.7 ppm
purged for 10min @ 250 mL/min
persulfate after purge:

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Field Activity Log

Page: 1 of 1

Project Name: GE	Completed By: Abdelrahman Sebbaa
Project Number:	Date: 12-1-17
Field Activity: Qrtly GW Sampling	Weather: rain 43°F
	Personnel on site: AS

1330: Arrived to the site, put on PPE, filled out H&S tailgate sheet.
1345: started calibrating Equipment YSI and turbidity meter.
1420: ~~Eta~~ mobilized to the well MW-15D. picked up buckets, cones, brown from staging area.
1515: Began purging on MW-15D. for 10 min and then started recording parameters. water is turbide.
1550: started sampling.
1610: Began purging on MW-15M, water is clear.
1620: started recording parameter.
1630: Began sampling.
1650: packed up, disposed purge water.
1730: off a site.

Abdelrahman Sebbaa

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Equipment Calibration Log

Project Name: GTC Field Activity: Qrtly GW sampling

Project No.: Weather: cloudy 45°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~~ pro	16K102154	Owned / (Rented)	AS	11-29-17	0900	DO Atmospheric Pressure: ~~772.266~~ DO Cal Reading: 10.02 mg/L	Y	
						pH pH 4.0 Initial pH reading: 3.99 pH 10.0 Initial pH reading: 9.98 pH 7.0 Initial pH reading: 7.01	Y	
						Specific Conductivity 1409 µS/cm Spec Conductivity: 1285 (µS/cm) or mS/cm	Y	
Turbidity Meter (HACH or LaMotte)	1289-3511	Owned / (Rented)	AS	11-29-17	0915	Turbidity Turbidity Standards: 0 – 10 NTU	Y	
PID		Owned / Rented				VOC Isobutylene 100 ppm VOC: Fresh Air Calibration:		
YSI ~~556~~ pro	16K102154	Owned / (Rented)	AS	11-30-17	0900	DO Atmospheric Pressure: ~~770.564~~ DO Cal Reading: 9.86 mg/L	Y	
						pH pH 4.0 Initial pH reading: 4.01 pH 10.0 Initial pH reading: 10.00 pH 7.0 Initial pH reading: 6.99	Y	
						Specific Conductivity 1409 µS/cm Spec Conductivity: 1302 (µS/cm) or mS/cm	Y	
Turbidity Meter (HACH or LaMotte)	1289-3511	Owned / (Rented)	AS	11-30-17	0915	Turbidity Turbidity Standards: 0 – 10 NTU	Y	
PID		Owned / Rented				VOC Isobutylene 100 ppm VOC: Fresh Air Calibration:		
YSI ~~556~~ pro	16K102154	Owned / (Rented)	AS	12-1-17	1400	DO Atmospheric Pressure: 771.462 DO Cal Reading: 9.79 mg/L	Y	
						pH pH 4.0 Initial pH reading: 3.99 pH 10.0 Initial pH reading: 9.98 pH 7.0 Initial pH reading: 7.01	Y	
						Specific Conductivity 1409 µS/cm Spec Conductivity: 1361 (µS/cm) or mS/cm	Y	
Turbidity Meter (HACH or LaMotte)	1289-3511	Owned / (Rented)	AS	12-1-17	1420	Turbidity Turbidity Standards: 0 – 10 NTU	Y	
PID		Owned / Rented				VOC Isobutylene 100 ppm VOC: Fresh Air Calibration:		

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Bladder Pump Calibration Certificate

Controller Testing:

Refill Time	10	sec
Discharge Time	5	sec
Throttle	60	psi

Regulator Testing:

Max Regulator PSI	n/a
Regulator PSI Setting	n/a

Controller: MP50
Controller S/N: u78630x

☑ Solenoid Function Check
☑ Cooling Fan Function Check

Max PSI Achieved: 100

Air Source: DC
Air Source S/N: n/a

mL per cycle: 120.00 (80-120)

Pump Model: 1.75
Pump S/N: 10215
Order #: 355872

☑ Portable ☑ Pump decontaminated and cleaned

Calibrated By: Roderick Keels

Date of Calibration: 11/28/17

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.

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Turbidity Meter Calibration Certificate

	Lot #	Exp Date	Reading
0.0 NTU	C796782	5/1/18	0.0
1.0 NTU			
10.0 NTU	C689840	5/1/18	10.0

Order #	355872
Model	2020we
S/N	1289-3511
Barcode	U65751X

Calibrated By

Date of Calibration 11/28/17
RK

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

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YSI Pro Plus Calibration Certificate

Cal Standard	Lot #	Expiration	Pre-Cal Reading	Post-Cal Reading	Acceptable Range
PH 7 @ 25C	7704137	4/30/2019	6.97	7.00	(6.86 - 7.14)
			pH mV value	-32.3	(0 mV +/- 50mV)
Cal Standard	**Lot #**	**Expiration**	**Pre-Cal Reading**	**Post-Cal Reading**	**Acceptable Range**
PH 4 @ 25C	7704273	4/30/2019	4.08	4.00	(3.92 - 4.08)
			pH mV value	133.8	(132.7mV to 147.7mV)
Cal Standard	**Lot #**	**Expiration**	**Pre-Cal Reading**	**Post-Cal Reading**	**Acceptable Range**
PH 10 @ 25C	7704164	4/30/2019	10.01	10.00	(9.8 - 10.20)
			pH mV value	-200.7	(-197.3mV to -212.3mV)
Cal Standard	**Lot #**	**Expiration**	**Pre-Cal Reading**	**Post-Cal Reading**	**Acceptable Range**
Conductivity	F251-26	9/16/2018	1.580	1.409	(1.338 to 1.479)
			Cell Constant	4.1	(4.5 to 5.5)

Check Standard ORP	Temp ©	Reading	Acceptable Range
	20.9	237.0	(+/- 2.0mV)
ORP Offset		79.16	(0 +/- 100)

Dissolved Oxygen	% Saturation	mg/L
	100.0	8.76

	mm Hg	Sensor Value	Acceptable Range
Barometer	760.0	2.81	(2.37 - 4.4)

New DO Membrane: ○ Yes ◉ No

Model	Pro Plus
S/N	16K
Barcode	U84868X
Order #	355872

○ Black ◉ Blue ○ Yellow

Calibrated By: Roderick Keels

Date of Calibration: 11/28/17/RK

*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.

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Daily Tailgate H&S Meeting Attendance Sheet

AECOM Project No.: _____ Project Activities: Qrtly GW sampling ISCO - monitoring

Project Name: GSE

Presented By: Abdelghani Elkhaoua Date: 11-30-17

Topics Discussed:	Client Specific Topics:
☒ Contents of Site HASP	☐
☒ Review JSAs/THAs	
☒ Stop Work Authority	☐
☒ Site Safety Officer: Abdelghani Elkhaoua	☐

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: VOCs

Fitness for Duty:

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

Emergency Procedures:

Meeting Location: Iridio parking lot

Nearest Hospital: Harborview Hospital

Safety Equipment Locations:

- ☒ First Aid Kit:
- ☒ Eye Wash Station:
- ☒ Fire Extinguisher: on Site

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: 2nd Ave

Weather: rain 44°F

Traffic Control Plan:

- ☒ Cones/Barricades
- ☐ Other:

Physical Hazards:

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

☒ Site Specific Hazards: Traffic -

Attendees Name	Signature	Company
Abdelghani Elkhaoua	Abdelghani Elkhaoua	AECOM
Demetrio Cabezillas		AECOM
Tim		WDOE GWS

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Daily Tailgate H&S Meeting Attendance Sheet

AECOM Project No.: _____ Project Activities: Qrtly GW sampling

Project Name: GF

Presented By: Abdulghani Selbaa Date: 11-29-17

Topics Discussed:	Client Specific Topics:
☑ Contents of Site HASP	☐
☑ Review JSAs/THAs	
☑ Stop Work Authority	☐
☑ Site Safety Officer: Abdulghani Selbaa	☐

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: VOCs

Fitness for Duty:

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

Emergency Procedures:

Meeting Location: Fridio parking 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: 2nd Ave

Weather: cloudy 45°F

Traffic Control Plan:

- ☑ Cones/Barricades
- ☐ Other:

Physical Hazards:

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

☑ Site Specific Hazards: Traffic

Attendees Name	Signature	Company
Abdulghani Selbaa	Abdulghani Selbaa	AECOM
DAVE LEWIS	D Lewis	Aecom

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Daily Tailgate H&S Meeting Attendance Sheet

AECOM Project No.: _____ Project Activities: Qrtly GW Sampling.

Project Name: ONE

Presented By: Abdulghani Gibson Date: 12-1-17

Topics Discussed:	Client Specific Topics:
☒ Contents of Site HASP	☐
☒ Review JSAs/THAs	
☒ Stop Work Authority	☐
☒ Site Safety Officer: Abdulghani Gibson	☐

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: VOCs

Fitness for Duty:

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

Emergency Procedures:

Meeting Location: Fri Aid parking 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: 2nd Ave.

Weather: rain 43°F

Traffic Control Plan:

- ☒ Cones/Barricades
- ☐ Other:

Physical Hazards:

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

☒ Site Specific Hazards: Traffic

Attendees Name	Signature	Company
Abdulghani Gibson	Abdulghani Gibson	AECOM

Attachment C

Analytical Reports

Analytical Resources, Incorporated
Analytical Chemists and Consultants

14 December 2017

Jason Palmer
AECOM
1111 Third Avenue, Suite 1600
Seattle, WA 98101

RE: GE

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)	Associated SDG ID(s)
17L0047	N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the reqirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in it entirety.

ACCREDITED IN ACCORDANCE WITH nelac
Cert# 100006

PJLA Testing
Accreditation # 66169

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 17L0047	Turn-around Requested: Standard	Page: 1 of 2	
ARI Client Company: AECOM	Phone: 206-438-2700	Date: 12-4-17	Ice Present?
Client Contact: Jason Palmer		No. of Coolers:	Cooler Temps: 2.9
Client Project Name: GE			
Client Project #: 60512400	Samplers: Abdulghani Sebbar		

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

Sample ID	Date 2017	Time	Matrix	No. Containers	Analysis Requested: VOCs 8260	Analysis Requested: VOCs 8260 SIM: TCE, PCE, VC	Notes/Comments
MW-1-1117	11/30	1510	GW	5	X	X	
MW-4-1117	11/30	1615		5	X	X	
MW-8S-1117	11/29	1230		5	X	X	
MW-8M-1117	11/29	1120		5	X	X	
MW-11-1117	11/29	1500		5	X	X	
MW-14M-1117	11/29	1430		5	X	X	
MW-14D-1117	11/29	1355		5	X	X	
MW-15M-1117	12/01	1630		5	X	X	
MW-15D-1117	12/01	1550		5	X	X	
MW-16M-1117	11/29	1625		5	X	X	

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Abdulghani Sebbar	Printed Name: Brandon Fish	Printed Name:	Printed Name:
	Company: AECOM	Company: ARI	Company:	Company:
	Date & Time: 12-4-17 @ 1200	Date & Time: 12/4/17 1200	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, not withstanding 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

ARI Assigned Number: 17L0047	Turn-around Requested: standard	Page: 2 of 2	
ARI Client Company: AECOM	Phone: 206-438-2700	Date: 12-4-17	Ice Present?
Client Contact: Jason palmer		No. of Coolers:	Cooler Temps: 2.9
Client Project Name: GE			
Client Project #: 60512400	Samplers: Abdulghani Sebbane		

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

Sample ID	Date 2017	Time	Matrix	No. Containers	Analysis Requested: VOCs 8260	Analysis Requested: VOCs 8260 SIM: TCE, PCE, VC	Notes/Comments
MW-16D-1117	11/30	1035	GW	15	X	X	
MW-21S-1117	11/30	1405	GW	5	X	X	
MW-400-1117	11/30	1330	GW	5	X	X	
MW-210S-1117	11/30	1200	GW	5	X	X	
TB-1117	—	—	W	2	X	X	

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Abdulghani Sebbane	Printed Name: Brandon Fisk	Printed Name:	Printed Name:
	Company: AECOM	Company: ARI	Company:	Company:
	Date & Time: 12-4-17 @ 12:00	Date & Time: 12/4/17 1200	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, not withstanding 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.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: AECOM

COC No(s): _____ NA

Assigned ARI Job No: 17L0047

Project Name: _____

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): 2.9

Time: _____

If cooler temperature is out of compliance fill out form 00070F

Temp Gun ID#: DC0256

Cooler Accepted by: BF Date: 12/4/17 Time: 1200

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) SF	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	11/22/17	

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

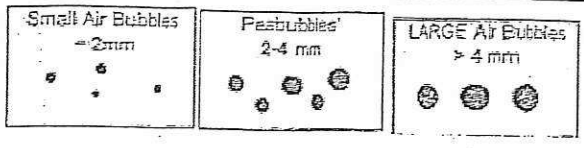
Samples Logged by: SF Date: 12/4/17 Time: 1620

*** 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" (< 2 mm)
Peabubbles → "pb" (2 to < 4 mm)
Large → "lg" (4 to < 6 mm)
Headspace → "hs" (> 6 mm)

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1-1117	17L0047-01	Water	30-Nov-2017 15:10	04-Dec-2017 12:00
MW-4-1117	17L0047-02	Water	30-Nov-2017 16:15	04-Dec-2017 12:00
MW-8S-1117	17L0047-03	Water	29-Nov-2017 12:30	04-Dec-2017 12:00
MW-8M-1117	17L0047-04	Water	29-Nov-2017 11:20	04-Dec-2017 12:00
MW-11-1117	17L0047-05	Water	29-Nov-2017 15:00	04-Dec-2017 12:00
MW-14M-1117	17L0047-06	Water	29-Nov-2017 14:30	04-Dec-2017 12:00
MW-14D-1117	17L0047-07	Water	29-Nov-2017 13:55	04-Dec-2017 12:00
MW-15M-1117	17L0047-08	Water	01-Dec-2017 16:30	04-Dec-2017 12:00
MW-15D-1117	17L0047-09	Water	01-Dec-2017 15:50	04-Dec-2017 12:00
MW-16M-1117	17L0047-10	Water	29-Nov-2017 16:25	04-Dec-2017 12:00
MW-16D-1117	17L0047-11	Water	30-Nov-2017 10:35	04-Dec-2017 12:00
MW-21S-1117	17L0047-12	Water	30-Nov-2017 14:05	04-Dec-2017 12:00
MW-400-1117	17L0047-13	Water	30-Nov-2017 13:30	04-Dec-2017 12:00
MW-210S-1117	17L0047-14	Water	30-Nov-2017 12:00	04-Dec-2017 12:00
TB-1117	17L0047-15	Water	29-Nov-2017 00:00	04-Dec-2017 12:00

4611 S. 134th Place, Suite 100 • Tukwila, WA 98168 • Ph: (206) 695-6200 • Fax: (206) 695-6202

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

Case Narrative

Volatiles - EPA Method SW8260C

The sample(s) were run within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The LCS/LCSD percent recoveries and RPD were within control limits.

The Matrix Spike/Matrix Spike duplicate recoveries and RPD were within limits with the exception of analytes flagged on the associated forms.

Volatiles - EPA Method 8260C-SIM (Selected Ion Monitoring)

The sample(s) were run within the recommended holding times.

Initial and continuing calibrations were within method requirements.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The LCS percent recoveries were within control limits.

The Matrix Spike/Matrix Spike duplicate recoveries and RPD were within limits.

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-1-1117

17L0047-01 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/30/2017 15:10
Analyzed: 11-Dec-2017 12:55

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.20	**1.20**	ug/L	
Trichloroethene	79-01-6	1	0.20	**5.61**	ug/L	
Tetrachloroethene	127-18-4	1	0.20	**0.65**	ug/L	
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*97.2*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*97.3*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*98.3*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*99.6*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-1-1117

17L0047-01 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/30/2017 15:10
Analyzed: 11-Dec-2017 12:55

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	ND	ng/L	U
Trichloroethene	79-01-6	1	20.0	**5600**	ng/L	
Tetrachloroethene	127-18-4	1	20.0	**644**	ng/L	
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*99.0*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*98.5*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-4-1117

17L0047-02 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/30/2017 16:15
Analyzed: 11-Dec-2017 13:15

Sample Preparation:
Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257
Prepared: 11-Dec-2017
Sample Size: 10 mL
Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	**0.71**	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	**1.13**	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.20	**2.67**	ug/L	
Trichloroethene	79-01-6	1	0.20	**5.79**	ug/L	
Tetrachloroethene	127-18-4	1	0.20	**0.52**	ug/L	
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*106*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*97.1*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*97.3*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*103*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-4-1117

17L0047-02 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/30/2017 16:15
Analyzed: 11-Dec-2017 13:15

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	ND	ng/L	U
Trichloroethene	79-01-6	1	20.0	**5730**	ng/L	
Tetrachloroethene	127-18-4	1	20.0	**478**	ng/L	
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*105*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*97.2*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-8S-1117

17L0047-03 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/29/2017 12:30
Analyzed: 11-Dec-2017 13:35

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	**0.69**	ug/L	
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*110*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*95.0*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*107*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-8S-1117

17L0047-03 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/29/2017 12:30
Analyzed: 11-Dec-2017 13:35

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	ND	ng/L	U
Trichloroethene	79-01-6	1	20.0	**703**	ng/L	
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*104*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*97.0*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-8M-1117

17L0047-04 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/29/2017 11:20
Analyzed: 11-Dec-2017 13:55

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	**0.25**	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*105*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*95.6*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*95.6*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-8M-1117

17L0047-04 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/29/2017 11:20
Analyzed: 11-Dec-2017 13:55

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	ND	ng/L	U
Trichloroethene	79-01-6	1	20.0	ND	ng/L	U
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*106*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*96.3*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-11-1117

17L0047-05 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/29/2017 15:00
Analyzed: 11-Dec-2017 14:16

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	**0.79**	ug/L	
1,1-Dichloroethene	75-35-4	1	0.20	**2.72**	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.20	**19.7**	ug/L	
1,1-Dichloroethane	75-34-3	1	0.20	**2.64**	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	**77.4**	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	**10.8**	ug/L	
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*109*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*94.4*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*93.2*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*102*	*%*	

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AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-11-1117

17L0047-05 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/29/2017 15:00
Analyzed: 11-Dec-2017 14:16

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	**789**	ng/L	
Trichloroethene	79-01-6	1	20.0	**11500**	ng/L	E
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*108*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*98.3*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-14M-1117

17L0047-06 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/29/2017 14:30
Analyzed: 11-Dec-2017 17:38

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	**1.12**	ug/L	
1,1-Dichloroethene	75-35-4	1	0.20	**11.1**	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.20	**94.2**	ug/L	E
1,1-Dichloroethane	75-34-3	1	0.20	**9.64**	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	**179**	ug/L	E
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	**25.0**	ug/L	
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*109*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*97.7*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*105*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*99.4*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-14M-1117

17L0047-06 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/29/2017 14:30
Analyzed: 11-Dec-2017 17:38

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	**1110**	ng/L	
Trichloroethene	79-01-6	1	20.0	**26800**	ng/L	E
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*108*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*100*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-14M-1117

17L0047-06RE1 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/29/2017 14:30
Analyzed: 11-Dec-2017 18:01

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 1 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	2.00	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	2.00	**10.4**	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	2.00	**95.9**	ug/L	
1,1-Dichloroethane	75-34-3	1	2.00	**10.3**	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	2.00	**188**	ug/L	
1,1,1-Trichloroethane	71-55-6	1	2.00	ND	ug/L	U
Trichloroethene	79-01-6	1	2.00	**26.9**	ug/L	
Tetrachloroethene	127-18-4	1	2.00	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*110*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*98.8*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*96.9*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*97.9*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-14M-1117

17L0047-06RE1 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/29/2017 14:30
Analyzed: 11-Dec-2017 18:01

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 1 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	200	**1170**	ng/L	
Trichloroethene	79-01-6	1	200	**24900**	ng/L	
Tetrachloroethene	127-18-4	1	200	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*107*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*98.5*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-14D-1117

17L0047-07 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/29/2017 13:55
Analyzed: 11-Dec-2017 14:36

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	**2.22**	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	**2.40**	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*109*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*94.7*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*97.8*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*99.6*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-14D-1117

17L0047-07 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/29/2017 13:55
Analyzed: 11-Dec-2017 14:36

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	**111**	ng/L	M
Trichloroethene	79-01-6	1	20.0	**82.6**	ng/L	
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*108*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*95.9*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-15M-1117

17L0047-08 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 12/01/2017 16:30
Analyzed: 11-Dec-2017 14:56

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	**0.59**	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.20	**1.29**	ug/L	
1,1-Dichloroethane	75-34-3	1	0.20	**0.74**	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	**13.3**	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	**38.6**	ug/L	
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*106*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*98.1*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*97.6*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-15M-1117

17L0047-08 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 12/01/2017 16:30
Analyzed: 11-Dec-2017 14:56

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	**97.5**	ng/L	M
Trichloroethene	79-01-6	1	20.0	**42600**	ng/L	E
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*106*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*101*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-15D-1117

17L0047-09 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 12/01/2017 15:50
Analyzed: 11-Dec-2017 15:16

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	**0.65**	ug/L	
1,1-Dichloroethene	75-35-4	1	0.20	**0.43**	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.20	**5.34**	ug/L	
1,1-Dichloroethane	75-34-3	1	0.20	**1.55**	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	**66.7**	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	**5.36**	ug/L	
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*111*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*97.8*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*96.3*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*103*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-15D-1117

17L0047-09 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 12/01/2017 15:50
Analyzed: 11-Dec-2017 15:16

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	**626**	ng/L	
Trichloroethene	79-01-6	1	20.0	**5310**	ng/L	
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*110*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*97.4*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-16M-1117

17L0047-10 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/29/2017 16:25
Analyzed: 11-Dec-2017 15:37

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*111*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*94.3*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*101*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-16M-1117

17L0047-10 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/29/2017 16:25
Analyzed: 11-Dec-2017 15:37

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	ND	ng/L	U
Trichloroethene	79-01-6	1	20.0	**38.5**	ng/L	
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*108*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*95.2*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-16D-1117

17L0047-11 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/30/2017 10:35
Analyzed: 11-Dec-2017 15:57

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*107*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*95.2*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*97.9*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-16D-1117

17L0047-11 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/30/2017 10:35
Analyzed: 11-Dec-2017 15:57

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	**23.8**	ng/L	M
Trichloroethene	79-01-6	1	20.0	**22.1**	ng/L	
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*108*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*95.6*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-21S-1117

17L0047-12 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/30/2017 14:05
Analyzed: 11-Dec-2017 16:17

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.20	**0.62**	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	**1.56**	ug/L	
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*107*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*96.3*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*94.6*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-21S-1117

17L0047-12 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/30/2017 14:05
Analyzed: 11-Dec-2017 16:17

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	ND	ng/L	U
Trichloroethene	79-01-6	1	20.0	**1670**	ng/L	
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*108*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*96.0*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-400-1117

17L0047-13 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/30/2017 13:30
Analyzed: 11-Dec-2017 16:37

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	**0.77**	ug/L	
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	**1.35**	ug/L	
cis-1,2-Dichloroethene	156-59-2	1	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.20	**2.72**	ug/L	
Trichloroethene	79-01-6	1	0.20	**5.82**	ug/L	
Tetrachloroethene	127-18-4	1	0.20	**0.50**	ug/L	
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*112*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*98.1*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*97.5*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*98.6*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-400-1117

17L0047-13 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/30/2017 13:30
Analyzed: 11-Dec-2017 16:37

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	ND	ng/L	U
Trichloroethene	79-01-6	1	20.0	**5740**	ng/L	
Tetrachloroethene	127-18-4	1	20.0	**466**	ng/L	
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*108*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*96.0*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-210S-1117

17L0047-14 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/30/2017 12:00
Analyzed: 11-Dec-2017 16:57

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.20	**0.63**	ug/L	
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	**1.72**	ug/L	
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*107*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*96.0*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*107*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

MW-210S-1117

17L0047-14 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/30/2017 12:00
Analyzed: 11-Dec-2017 16:57

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	ND	ng/L	U
Trichloroethene	79-01-6	1	20.0	**1770**	ng/L	
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*108*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*95.2*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

TB-1117

17L0047-15 (Water)

Volatile Organic Compounds

Method: EPA 8260C
Instrument: NT16

Sampled: 11/29/2017 00:00
Analyzed: 11-Dec-2017 17:18

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl Chloride	75-01-4	1	0.20	ND	ug/L	U
1,1-Dichloroethene	75-35-4	1	0.20	ND	ug/L	U
trans-1,2-Dichloroethene	156-60-5	1	0.20	ND	ug/L	U
1,1-Dichloroethane	75-34-3	1	0.20	ND	ug/L	U
cis-1,2-Dichloroethene	156-59-2	1	0.20	ND	ug/L	U
1,1,1-Trichloroethane	71-55-6	1	0.20	ND	ug/L	U
Trichloroethene	79-01-6	1	0.20	ND	ug/L	U
Tetrachloroethene	127-18-4	1	0.20	ND	ug/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*106*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*96.4*	*%*	
Surrogate: 4-Bromofluorobenzene			*80-120 %*	*97.9*	*%*	
Surrogate: 1,2-Dichlorobenzene-d4			*80-120 %*	*101*	*%*	

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AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

TB-1117

17L0047-15 (Water)

Volatile Organic Compounds - SIM

Method: EPA 8260C-SIM
Instrument: NT16

Sampled: 11/29/2017 00:00
Analyzed: 11-Dec-2017 17:18

Sample Preparation: Preparation Method: EPA 5030 (Purge and Trap)
Preparation Batch: BFL0257 Sample Size: 10 mL
Prepared: 11-Dec-2017 Final Volume: 10 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
Vinyl chloride	75-01-4	1	20.0	ND	ng/L	U
Trichloroethene	79-01-6	1	20.0	ND	ng/L	U
Tetrachloroethene	127-18-4	1	20.0	ND	ng/L	U
Surrogate: 1,2-Dichloroethane-d4			*80-129 %*	*107*	*%*	
Surrogate: Toluene-d8			*80-120 %*	*96.1*	*%*	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

Volatile Organic Compounds - Quality Control

Batch BFL0257 - EPA 5030 (Purge and Trap)

Instrument: NT16 Analyst: PB

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BFL0257-BLK2)				Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 11:26						
Vinyl Chloride	ND	0.20	ug/L							U
1,1-Dichloroethene	ND	0.20	ug/L							U
trans-1,2-Dichloroethene	ND	0.20	ug/L							U
1,1-Dichloroethane	ND	0.20	ug/L							U
cis-1,2-Dichloroethene	ND	0.20	ug/L							U
1,1,1-Trichloroethane	ND	0.20	ug/L							U
Trichloroethene	ND	0.20	ug/L							U
Tetrachloroethene	ND	0.20	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	4.78		ug/L	*5.00*		*95.6*	*80-129*			
Surrogate: Toluene-d8	4.87		ug/L	*5.00*		*97.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.81		ug/L	*5.00*		*96.3*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	5.05		ug/L	*5.00*		*101*	*80-120*			
LCS (BFL0257-BS2)				Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 09:48						
Vinyl Chloride	1.84	0.20	ug/L	2.00		92.1	66-133			
1,1-Dichloroethene	1.91	0.20	ug/L	2.00		95.4	69-135			
trans-1,2-Dichloroethene	1.96	0.20	ug/L	2.00		98.1	78-128			
1,1-Dichloroethane	1.86	0.20	ug/L	2.00		93.1	76-124			
cis-1,2-Dichloroethene	1.96	0.20	ug/L	2.00		98.0	80-121			
1,1,1-Trichloroethane	1.94	0.20	ug/L	2.00		97.2	79-123			
Trichloroethene	2.13	0.20	ug/L	2.00		106	80-120			
Tetrachloroethene	1.88	0.20	ug/L	2.00		94.1	80-120			
Surrogate: 1,2-Dichloroethane-d4	5.08		ug/L	*5.00*		*102*	*80-129*			
Surrogate: Toluene-d8	4.87		ug/L	*5.00*		*97.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.73		ug/L	*5.00*		*94.6*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	4.90		ug/L	*5.00*		*98.0*	*80-120*			
LCS Dup (BFL0257-BSD2)				Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 11:05						
Vinyl Chloride	2.04	0.20	ug/L	2.00		102	66-133	10.30	30	
1,1-Dichloroethene	1.98	0.20	ug/L	2.00		98.8	69-135	3.53	30	
trans-1,2-Dichloroethene	2.05	0.20	ug/L	2.00		103	78-128	4.44	30	
1,1-Dichloroethane	1.93	0.20	ug/L	2.00		96.5	76-124	3.62	30	
cis-1,2-Dichloroethene	2.09	0.20	ug/L	2.00		104	80-121	6.28	30	
1,1,1-Trichloroethane	2.03	0.20	ug/L	2.00		102	79-123	4.47	30	
Trichloroethene	2.26	0.20	ug/L	2.00		113	80-120	6.06	30	

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

Volatile Organic Compounds - Quality Control

Batch BFL0257 - EPA 5030 (Purge and Trap)

Instrument: NT16 Analyst: PB

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
LCS Dup (BFL0257-BSD2)				Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 11:05						
Tetrachloroethene	2.09	0.20	ug/L	2.00		105	80-120	10.70	30	
Surrogate: 1,2-Dichloroethane-d4	4.90		ug/L	*5.00*		*98.0*	*80-129*			
Surrogate: Toluene-d8	4.98		ug/L	*5.00*		*99.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.94		ug/L	*5.00*		*98.9*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	4.91		ug/L	*5.00*		*98.3*	*80-120*			
Matrix Spike (BFL0257-MS2)	**Source: 17L0047-11**			Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 18:21						
Vinyl Chloride	2.17	0.20	ug/L	2.00	ND	108	66-133			
1,1-Dichloroethene	2.28	0.20	ug/L	2.00	ND	114	69-135			
trans-1,2-Dichloroethene	2.45	0.20	ug/L	2.00	ND	123	78-128			
1,1-Dichloroethane	2.19	0.20	ug/L	2.00	ND	110	76-124			
cis-1,2-Dichloroethene	2.51	0.20	ug/L	2.00	ND	126	80-121			*
1,1,1-Trichloroethane	2.34	0.20	ug/L	2.00	ND	117	79-123			
Trichloroethene	2.50	0.20	ug/L	2.00	ND	125	80-120			*
Tetrachloroethene	2.43	0.20	ug/L	2.00	ND	121	80-120			*
Surrogate: 1,2-Dichloroethane-d4	5.13		ug/L	*5.00*	*5.35*	*103*	*80-129*			
Surrogate: Toluene-d8	4.71		ug/L	*5.00*	*4.76*	*94.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	4.90		ug/L	*5.00*	*4.89*	*98.0*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	4.99		ug/L	*5.00*	*5.06*	*99.9*	*80-120*			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

Matrix Spike Dup (BFL0257-MSD2)	**Source: 17L0047-11**			Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 18:41						
Vinyl Chloride	1.98	0.20	ug/L	2.00	ND	98.8	66-133	9.26	30	
1,1-Dichloroethene	2.23	0.20	ug/L	2.00	ND	112	69-135	2.10	30	
trans-1,2-Dichloroethene	2.33	0.20	ug/L	2.00	ND	117	78-128	4.97	30	
1,1-Dichloroethane	2.58	0.20	ug/L	2.00	ND	129	76-124	16.10	30	*
cis-1,2-Dichloroethene	2.40	0.20	ug/L	2.00	ND	120	80-121	4.59	30	
1,1,1-Trichloroethane	2.24	0.20	ug/L	2.00	ND	112	79-123	4.62	30	
Trichloroethene	2.23	0.20	ug/L	2.00	ND	112	80-120	11.40	30	
Tetrachloroethene	2.22	0.20	ug/L	2.00	ND	111	80-120	8.91	30	
Surrogate: 1,2-Dichloroethane-d4	5.15		ug/L	*5.00*	*5.35*	*103*	*80-129*			
Surrogate: Toluene-d8	4.83		ug/L	*5.00*	*4.76*	*96.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	5.05		ug/L	*5.00*	*4.89*	*101*	*80-120*			
Surrogate: 1,2-Dichlorobenzene-d4	4.99		ug/L	*5.00*	*5.06*	*99.7*	*80-120*			

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

Volatile Organic Compounds - Quality Control

Batch BFL0257 - EPA 5030 (Purge and Trap)

Instrument: NT16 Analyst: PB

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

Volatile Organic Compounds - SIM - Quality Control

Batch BFL0257 - EPA 5030 (Purge and Trap)

Instrument: NT16 Analyst: PB

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BFL0257-BLK1)				Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 11:26						
Vinyl chloride	ND	20.0	ng/L							U
Trichloroethene	ND	20.0	ng/L							U
Tetrachloroethene	ND	20.0	ng/L							U
Surrogate: 1,2-Dichloroethane-d4	4950		ng/L	*5000*		*99.0*	*80-129*			
Surrogate: Toluene-d8	5020		ng/L	*5000*		*100*	*80-120*			
LCS (BFL0257-BS1)				Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 09:48						
Vinyl chloride	1840	20.0	ng/L	2000		92.2	76-120			
Trichloroethene	1800	20.0	ng/L	2000		89.9	80-120			
Tetrachloroethene	1820	20.0	ng/L	2000		90.9	80-122			
Surrogate: 1,2-Dichloroethane-d4	5030		ng/L	*5000*		*101*	*80-129*			
Surrogate: Toluene-d8	5040		ng/L	*5000*		*101*	*80-120*			
LCS Dup (BFL0257-BSD1)				Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 11:05						
Vinyl chloride	2090	20.0	ng/L	2000		104	76-120	12.40	30	
Trichloroethene	1970	20.0	ng/L	2000		98.5	80-120	9.12	30	
Tetrachloroethene	2010	20.0	ng/L	2000		101	80-122	10.20	30	
Surrogate: 1,2-Dichloroethane-d4	4880		ng/L	*5000*		*97.7*	*80-129*			
Surrogate: Toluene-d8	5010		ng/L	*5000*		*100*	*80-120*			
Matrix Spike (BFL0257-MS1)	**Source: 17L0047-11**			Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 18:21						
Vinyl chloride	2240	20.0	ng/L	2000	23.8	111	76-120			
Trichloroethene	2280	20.0	ng/L	2000	22.1	113	80-120			
Tetrachloroethene	2200	20.0	ng/L	2000	ND	110	80-122			
Surrogate: 1,2-Dichloroethane-d4	5460		ng/L	*5000*	*5380*	*109*	*80-129*			
Surrogate: Toluene-d8	4900		ng/L	*5000*	*4780*	*98.0*	*80-120*			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

Matrix Spike Dup (BFL0257-MSD1)	**Source: 17L0047-11**			Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 18:41						
Vinyl chloride	2090	20.0	ng/L	2000	23.8	103	76-120	7.18	30	
Trichloroethene	2130	20.0	ng/L	2000	22.1	106	80-120	6.88	30	
Tetrachloroethene	2070	20.0	ng/L	2000	ND	104	80-122	5.94	30	
Surrogate: 1,2-Dichloroethane-d4	5420		ng/L	*5000*	*5380*	*108*	*80-129*			
Surrogate: Toluene-d8	4830		ng/L	*5000*	*4780*	*96.5*	*80-120*			

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

Volatile Organic Compounds - SIM - Quality Control

Batch BFL0257 - EPA 5030 (Purge and Trap)

Instrument: NT16 Analyst: PB

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (BFL0257-MSD1)	**Source: 17L0047-11**	Prepared: 11-Dec-2017 Analyzed: 11-Dec-2017 18:41								

Recovery limits for target analytes in MS/MSD QC samples are advisory only.

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AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

Certified Analyses included in this Report

Analyte	Certifications
EPA 8260C in Water	
Chloromethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Vinyl Chloride	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Bromomethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Chloroethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Trichlorofluoromethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Acrolein	DoD-ELAP,NELAP,CALAP,WADOE
1,1,2-Trichloro-1,2,2-Trifluoroethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Acetone	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,1-Dichloroethene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Bromoethane	DoD-ELAP,NELAP,CALAP,WADOE
Iodomethane	DoD-ELAP,NELAP,CALAP,WADOE
Methylene Chloride	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Acrylonitrile	DoD-ELAP,NELAP,CALAP,WADOE
Carbon Disulfide	DoD-ELAP,NELAP,CALAP,WADOE
trans-1,2-Dichloroethene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Vinyl Acetate	DoD-ELAP,NELAP,CALAP,WADOE
1,1-Dichloroethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
2-Butanone	DoD-ELAP,NELAP,CALAP,WADOE
2,2-Dichloropropane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
cis-1,2-Dichloroethene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Chloroform	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Bromochloromethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,1,1-Trichloroethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,1-Dichloropropene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Carbon tetrachloride	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,2-Dichloroethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Benzene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Trichloroethene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,2-Dichloropropane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Bromodichloromethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Dibromomethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
2-Chloroethyl vinyl ether	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
4-Methyl-2-Pentanone	DoD-ELAP,NELAP,CALAP,WADOE
cis-1,3-Dichloropropene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Toluene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

trans-1,3-Dichloropropene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
2-Hexanone	DoD-ELAP,NELAP,CALAP,WADOE
1,1,2-Trichloroethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,3-Dichloropropane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Tetrachloroethene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Dibromochloromethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,2-Dibromoethane	DoD-ELAP,NELAP,CALAP,WADOE
Chlorobenzene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Ethylbenzene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,1,1,2-Tetrachloroethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
m,p-Xylene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
o-Xylene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Styrene	DoD-ELAP,NELAP,CALAP,WADOE
Bromoform	DoD-ELAP,NELAP,CALAP,WADOE
1,1,2,2-Tetrachloroethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,2,3-Trichloropropane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
trans-1,4-Dichloro 2-Butene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
n-Propylbenzene	DoD-ELAP,NELAP,CALAP,WADOE
Bromobenzene	DoD-ELAP,NELAP,CALAP,WADOE
Isopropyl Benzene	DoD-ELAP,NELAP,CALAP,WADOE
2-Chlorotoluene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
4-Chlorotoluene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
t-Butylbenzene	DoD-ELAP,NELAP,CALAP,WADOE
1,3,5-Trimethylbenzene	DoD-ELAP,NELAP,CALAP,WADOE
1,2,4-Trimethylbenzene	DoD-ELAP,NELAP,CALAP,WADOE
s-Butylbenzene	DoD-ELAP,NELAP,CALAP,WADOE
4-Isopropyl Toluene	DoD-ELAP,NELAP,CALAP,WADOE
1,3-Dichlorobenzene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,4-Dichlorobenzene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
n-Butylbenzene	DoD-ELAP,NELAP,CALAP,WADOE
1,2-Dichlorobenzene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,2-Dibromo-3-chloropropane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,2,4-Trichlorobenzene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Hexachloro-1,3-Butadiene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Naphthalene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
1,2,3-Trichlorobenzene	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Dichlorodifluoromethane	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
Methyl tert-butyl Ether	DoD-ELAP,ADEC,NELAP,CALAP,WADOE
n-Hexane	WADOE
2-Pentanone	WADOE

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Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

EPA 8260C-SIM in Water

Acrylonitrile	NELAP,CALAP,WADOE
Vinyl chloride	NELAP,CALAP,WADOE
1,1-Dichloroethene	NELAP,CALAP,WADOE
cis-1,2-Dichloroethene	NELAP,CALAP,WADOE
trans-1,2-Dichloroethene	NELAP,CALAP,WADOE
Trichloroethene	NELAP,CALAP,WADOE
Tetrachloroethene	NELAP,CALAP,WADOE
1,1,2,2-Tetrachloroethane	NELAP,CALAP,WADOE
1,2-Dichloroethane	NELAP,CALAP,WADOE
Benzene	NELAP,CALAP,WADOE

Code	Description	Number	Expires
ADEC	Alaska Dept of Environmental Conservation	UST-033	05/11/2018
CALAP	California Department of Public Health CAELAP	2748	02/28/2018
DoD-ELAP	DoD-Environmental Laboratory Accreditation Program	66169	02/07/2019
NELAP	ORELAP - Oregon Laboratory Accreditation Program	WA100006	05/11/2018
WADOE	WA Dept of Ecology	C558	06/30/2018
WA-DW	Ecology - Drinking Water	C558	06/30/2018

AECOM	Project: GE	
1111 Third Avenue, Suite 1600	Project Number: 60512400	**Reported:**
Seattle WA, 98101	Project Manager: Jason Palmer	14-Dec-2017 11:35

Notes and Definitions

U	This analyte is not detected above the applicable reporting or detection limit.
M	Estimated value for a GC/MS analyte detected and confirmed by an analyst but with low spectral match parameters.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)
*	Flagged value is not within established control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
[2C]	Indicates this result was quantified on the second column on a dual column analysis.

AECOM
707 Grant Street
Pittsburgh, PA 15219
USA
aecom.com

Project name:
GE South Dawson Street

Project ref:
60512400-300

From:
Gregory A. Malzone

Date:
December 29, 2017

To:
Demetrio Cabanillas
AECOM
1111 3rd Avenue, Suite 1600
Seattle, WA 98101

CC:
Jason Palmer
AECOM
1111 3rd Avenue, Suite 1600
Seattle, WA 98101

Data Assessment Memorandum

Subject: GE South Dawson St. Fourth Quarter 2017 Groundwater Sample Data Assessment

Overview

A data assessment was performed on one data package from Analytical Resources, Incorporated, 4611 South 134th Place, Suite 100, Tukwila, WA 98168 (ARI). The groundwater samples were collected on November 29 – December 1, 2017 at the GE/South Dawson St., Seattle, WA site. ASI processed the samples and reported the results under work order number: 17L0047.

The following analytical methods were requested on the chain-of-custody records (CoC).

- Method SW-846 8260C – Volatile Organic Compounds (VOCs) by Gas Chromatography/Mass Spectrometry (GC/MS) with Tetrachloroethene, Trichloroethene and Vinyl Chloride by GC/MS in Selected Ion Monitoring (SIM) Mode

The data were evaluated for conformance to method specifications and qualifiers were applied using the validation criteria set forth in the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Superfund Organic Methods Data Review*, USEPA-540-R-07-003, July 2008, with additional reference to *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review*, EPA 540/R-99-008, May 1999, as they applied to the analytical methods employed.

Field duplicate relative percent difference (RPD) review and applicable control limits were taken from the *USEPA Region I, New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*, December 1996.

Review Elements

The following elements of the data package were reviewed.

- Agreement of analyses conducted with chain-of-custody requests
- Holding times/sample preservation
- Method preparation blanks and trip blanks

- Laboratory control sample (LCS) results
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate RPDs
- Surrogate recoveries
- Compound/analyte identification and quantitation
- Field duplicate precision

Data Qualifiers

No USEPA-defined data validation qualifiers were assigned in this data assessment.

The following AECOM data validation qualifier was assigned in this data assessment.

DNR: Do not report, an alternate, acceptable result is available.

Samples

Table 1 below lists the sample field identifications cross-referenced to the laboratory identifications. Field duplicate samples were collected at MW-21S and MW-4. Sample MW-16D-1117 was designated in the field to be processed as the quality control sample, that is, as the MS/MSD.

Table 1 – Groundwater Sample Submittals

Sample ID	Matrix	Sample Date	Lab Sample ID	8260C	8260C SIM
MW-1-1117	Groundwater	11/30/2017	17L0047-01	x	x
MW-4-1117	Groundwater	11/30/2017	17L0047-02	x	x
MW-8S-1117	Groundwater	11/29/2017	17L0047-03	x	x
MW-8M-1117	Groundwater	11/29/2017	17L0047-04	x	x
MW-11-1117	Groundwater	11/29/2017	17L0047-05	x	x
MW-14M-1117	Groundwater	11/29/2017	17L0047-06	x	x
MW-14D-1117	Groundwater	11/29/2017	17L0047-07	x	x
MW-15M-1117	Groundwater	12/1/2017	17L0047-08	x	x
MW-15D-1117	Groundwater	12/1/2017	17L0047-09	x	x
MW-16M-1117	Groundwater	11/29/2017	17L0047-10	x	x
MW-16D-1117	Groundwater	11/30/2017	17L0047-11	x	x
MW-21S-1117	Groundwater	11/30/2017	17L0047-12	x	x
MW-400-1117 [MW-4]	Groundwater (QC)	11/30/2017	17L0047-13	x	x
MW-210S-1117 [MW-21S]	Groundwater (QC)	11/30/2017	17L0047-14	x	x
TB-1117	Aqueous (QC)	11/29/2017	17L0047-15	x	x

Discussion

Agreement of Analyses Conducted with CoC Requests

Sample reports were checked to verify that the results corresponded to analytical requests as designated on the CoC. No discrepancies were noted.

Holding Times and Preservation

The sample shipments were received on ice, intact, and in good condition, with a cooler temperature of 2.9º C. The sample

container temperature was within the optimal range of 0-6º C. The samples were placed in cold storage (0-6º C) upon receipt at the laboratory. No data qualifications were required.

The samples were chemically preserved to the proper pH.

The samples were analyzed within the method-specified holding time for volatile organic compounds in groundwater of 14 days from the sample collection date.

Laboratory Method Preparation and Trip Blanks

No target compounds were detected at concentrations exceeding the reporting limits in the laboratory method blanks or the trip blank.

Laboratory Control Samples (LCS)

Laboratory control sample recoveries were within the quality control limits.

MS/MSD Recoveries

Matrix spike and matrix spike duplicates and laboratory duplicates that were performed on non-project samples were not evaluated because matrix similarity to project samples could not be assumed.

Sample MW-16D-1117 was designated in the field to be processed as the quality control sample, that is, as the duplicate/MS/MSD. All MS/MSD recoveries were within the advisory limits with the following exceptions.

VOCs by EPA 8260C Full Scan: The MW-16D-1117 MS or MSD recoveries for 1,1-dichloroethane, trichloroethene, tetrachloroethene and cis-1,2-dichloroethene were greater than the upper advisory limits. The full scan 1,1-dichloroethane, trichloroethene, tetrachloroethene and cis-1,2-dichloroethene results for sample MW-16D-1117 were non-detect and did not require qualification in response to the high bias due to matrix effects.

Laboratory Duplicates

Sample MW-16D-1117 was designated in the field to be processed as the quality control sample, that is, as the duplicate/MS/MSD. The LCS/LCSD, MS/MSD and project-specific laboratory duplicate RPDs were less than the maximum quality control limits.

Surrogate Recoveries

All surrogate recoveries were within the quality control limits.

Compound/Analyte Identification and Quantitation

Sample MW-14M-1117 required analysis at a ten-fold secondary dilution to bring the cis-1,2-dichloroethene and trans-1,2-dichloroethene concentrations into the calibration range. The surrogate recoveries were within the quality control limits. The reporting limits were elevated as required. No data qualifications were required.

Field Duplicate Precision

Field duplicates were collected for groundwater samples MW-21S-1117 and MW-4-1117. Field duplicate results were evaluated using the following criteria.

Organics: The RPD must be ≤ 30% for groundwaters, for results greater than or equal to two times the reporting limit. If one of the results is non-detect or less than two times the reporting limit, and the duplicate is greater than

two times the reporting limit, the difference between the parent and field duplicate results must be less than or equal to two times the reporting limit.

Action applies only to the affected analyte in the organic duplicate sample pair.

The results for the parent and field duplicate samples were non-detect, with exception to those listed in Tables 2A and 2B below. All RPDs were less than the maximum advisory limit of 30% or the difference criteria were met. Field sampling/laboratory precision and sample homogeneity were acceptable. No data qualifications were required.

Table 2A – Groundwater Field Duplicate Precision

Parameter	Units	MW-21S-1117	MW-210S-1117	RPD (%)
cis-1,2-Dichloroethene	µg/L	0.62	0.63	1.6
Trichloroethene (SIM)	µg/L	1.67	1.77	5.8

Table 2B – Groundwater Field Duplicate Precision

Parameter	Units	MW-4-1117	MW-400-1117	RPD (%)
1,1-Dichloroethene	µg/L	0.71	0.77	8.1
1,1-Dichloroethane	µg/L	1.13	1.35	18
1,1,1-Trichloroethane	µg/L	2.67	2.72	1.9
Trichloroethene (SIM)	µg/L	5.73	5.74	0.17
Tetrachloroethene (SIM)	µg/L	0.478	0.466	2.5

Summary

All data have been determined to be useable for the purpose of assessing the presence/absence and quantitative concentrations of the compounds in the media tested (i.e., groundwater) without qualification. See Table 3 below for a list of reportable analytical results.

Table 3 – Groundwater Reportable Analytical Data

Sample ID	Lab Sample ID	Method	Analyte	Concentration			Qualifier	Reason Code/Comment
MW-1-1117	17L0047-01	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-1-1117	17L0047-01	8260C	Trichloroethene		5.61	µg/L	DNR	Report SIM result
MW-1-1117	17L0047-01	8260C	Tetrachloroethene		0.65	µg/L	DNR	Report SIM result
MW-4-1117	17L0047-02	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-4-1117	17L0047-02	8260C	Trichloroethene		5.79	µg/L	DNR	Report SIM result
MW-4-1117	17L0047-02	8260C	Tetrachloroethene		0.52	µg/L	DNR	Report SIM result
MW-8S-1117	17L0047-03	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-8S-1117	17L0047-03	8260C	Trichloroethene		0.69	µg/L	DNR	Report SIM result
MW-8S-1117	17L0047-03	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-8M-1117	17L0047-04	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-8M-1117	17L0047-04	8260C	Trichloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-8M-1117	17L0047-04	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-11-1117	17L0047-05	8260C	Vinyl chloride		0.79	µg/L	DNR	Report SIM result
MW-11-1117	17L0047-05	8260C SIM	Trichloroethene		11.5 E	µg/L	DNR	Report full scan result
MW-11-1117	17L0047-05	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-14M-1117	17L0047-06	8260C	Vinyl chloride		1.12	µg/L	DNR	Report SIM result
MW-14M-1117	17L0047-06	8260C	trans-1,2-Dichloroethene		94.2 E	µg/L	DNR	Report full scan (10X) result
MW-14M-1117	17L0047-06	8260C	cis-1,2-Dichloroethene		179 E	µg/L	DNR	Report full scan (10X) result
MW-14M-1117	17L0047-06	8260C SIM	Trichloroethene		26.8 E	µg/L	DNR	Report full scan (1X) result
MW-14M-1117	17L0047-06	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report full scan result
MW-14D-1117	17L0047-07	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-14D-1117	17L0047-07	8260C	Trichloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-14D-1117	17L0047-07	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-15M-1117	17L0047-08	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-15M-1117	17L0047-08	8260C SIM	Trichloroethene		42.6 E	µg/L	DNR	Report full scan result
MW-15M-1117	17L0047-08	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-15D-1117	17L0047-09	8260C	Vinyl chloride		0.65	µg/L	DNR	Report SIM result
MW-15D-1117	17L0047-09	8260C	Trichloroethene		5.36	µg/L	DNR	Report SIM result
MW-15D-1117	17L0047-09	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report SIM result

Table 3 (Continued) – Groundwater Reportable Analytical Data

Sample ID	Lab Sample ID	Method	Analyte	Concentration			Qualifier	Reason Code/Comment
MW-16M-1117	17L0047-10	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-16M-1117	17L0047-10	8260C	Trichloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-16M-1117	17L0047-10	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-16D-1117	17L0047-11	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-16D-1117	17L0047-11	8260C	Trichloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-16D-1117	17L0047-11	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-21S-1117	17L0047-12	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-21S-1117	17L0047-12	8260C	Trichloroethene		1.56	µg/L	DNR	Report SIM result
MW-21S-1117	17L0047-12	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report SIM result
MW-400-1117 [MW-4]	17L0047-13	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-400-1117 [MW-4]	17L0047-13	8260C	Trichloroethene		5.82	µg/L	DNR	Report SIM result
MW-400-1117 [MW-4]	17L0047-13	8260C	Tetrachloroethene		0.50	µg/L	DNR	Report SIM result
MW-210S-1117 [MW-21S]	17L0047-14	8260C	Vinyl chloride	<	0.20 U	µg/L	DNR	Report SIM result
MW-210S-1117 [MW-21S]	17L0047-14	8260C	Trichloroethene		1.72	µg/L	DNR	Report SIM result
MW-210S-1117 [MW-21S]	17L0047-14	8260C	Tetrachloroethene	<	0.20 U	µg/L	DNR	Report SIM result
TB-1117	17L0047-15	8260C	Vinyl chloride		0.82	µg/L	DNR	Report SIM result
TB-1117	17L0047-15	8260C	Trichloroethene		20.9 E	µg/L	DNR	Report SIM result
TB-1117	17L0047-15	8260C	Tetrachloroethene	<	0.40 U	µg/L	DNR	Report SIM result

Qualifier Code:
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

Historical 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		MW-8M	
	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)	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]	**18.49**		**18.29**		**17.05**		**19.62**		**18.03**		**17.87**		**20.51**		**17.76**			
					16.99	**[5]**												
	18.38	**[6]**	**18.22**	**[6]**	**16.87**	**[6]**	**19.54**	**[6]**	**17.92**	**[6]**	**17.74**	**[6]**	**20.38**	**[6]**	**17.58**	**[6]**	**17.41**	**[10]**
08/13/1996	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	NM	NM
08/22/1996 [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	NM	NM
08/22/1996 [2]	NM	NM	NM	NM	7.92	9.13	NM	NM	8.41	9.62	8.59	9.28	NM	NM	8.56	NM	NM	NM
08/23/1996 [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	NM	NM
08/23/1996 [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	NM	NM
08/26/1996 [3]	NM	NM	NM	NM	NM	NM	NM	NM	8.51	9.52	8.78	9.09	NM	NM	8.76	9.00	NM	NM
08/26/1996 [3]	NM	NM	NM	NM	NM	NM	NM	NM	8.51	9.52	8.78	9.09	NM	NM	8.76	9.00	NM	NM
08/27/1996	NM	NM	NM	NM	8.08	8.97	NM	NM	8.53	9.50	8.81	9.06	NM	NM	8.78	8.98	NM	NM
08/28/1996	NM	NM	NM	NM	8.12	8.93	NM	NM	8.56	9.47	8.84	9.03	NM	NM	8.81	8.95	NM	NM
08/30/1996	NM	NM	NM	NM	NM	NM	NM	NM	8.57	9.46	8.85	9.02	NM	NM	8.83	8.93	NM	NM
09/03/1996	NM	NM	NM	NM	7.96	9.09	NM	NM	8.62	9.41	8.87	9.00	NM	NM	8.80	8.96	NM	NM
09/05/1996	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	NM	NM
09/10/1996	NM	NM	NM	NM	8.23	8.82	NM	NM	8.71	9.32	8.98	8.89	NM	NM	8.95	8.81	NM	NM
09/12/1996	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	NM	NM
09/30/1996	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	NM	NM
10/14/1996	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	NM	NM
10/29/1996	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	NM	NM
11/20/1996 [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	NM	NM
11/25/1996	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	NM	NM
01/03/1997	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	NM	NM
04/17/1997	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	NM	NM
07/21/1997	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	NM	NM
11/19/1997	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	NM	NM
02/24/1998	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	NM	NM
05/20/1998	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	NM	NM
08/12/1998	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	NM	NM
11/09/1998	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	NM	NM
02/24/1999	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	NM	NM
06/08/1999	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	NM	NM
08/25/1999	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	NM	NM
11/22/1999	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	NM	NM
02/02/2000	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	NM	NM
05/23/2000	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	NM	NM
08/29/2000	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	NM	NM
11/01/2000	NM	NM	NM	NM	8.33	8.66	NM	NM	9	9.03	9.14	NM	NM	NM	9.08	8.68	NM	NM
11/28/2000	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	NM	NM
02/20/2001	9.29	9.20	9.11	9.18	8.35	8.64	10.62	9.00	8.77	9.26	9.02	8.85	11.51	9.00	8.98	8.78	NM	NM
05/24/2001	9.45	9.04	9.31	8.98	8.27	8.72	10.76	8.86	8.96	9.07	9.12	8.75	11.63	8.88	8.97	8.79	NM	NM
08/27/2001	9.84	8.65	9.70	8.59	8.89	8.10	11.18	8.44	9.35	8.68	9.52	8.35	12.07	8.44	9.49	8.27	NM	NM
11/05/2001	9.98	8.51	9.83	8.46	9.06	7.93	11.31	8.31	9.47	8.56	9.71	8.16	12.20	8.31	9.69	8.07	NM	NM
02/21/2002	8.05	10.44	7.86	10.43	7.07	9.92	9.35	10.27	7.55	10.48	7.77	10.10	10.26	10.25	7.74	10.02	NM	NM
05/23/2002	8.79	9.70	8.58	9.71	7.72	9.27	10.10	9.52	8.29	9.74	8.41	9.46	10.97	9.54	8.31	9.45	NM	NM
08/14/2002	9.33	9.16	9.15	9.14	8.27	8.72	10.63	8.99	8.83	9.20	8.95	8.92	11.52	8.99	8.87	8.89	NM	NM
12/03/2002	9.97	8.52	9.82	8.47	8.85	8.14	12.28	7.34	9.49	8.54	9.62	8.25	12.17	8.34	9.53	8.23	NM	NM
02/26/2003	8.71	9.78	8.55	9.74	7.70	9.29	10.07	9.55	8.21	9.82	8.42	9.45	10.95	9.56	8.34	9.42	NM	NM
05/28/2003	8.78	9.71	8.61	9.68	7.61	9.38	10.09	9.53	8.28	9.75	8.40	9.47	10.97	9.54	8.29	9.47	NM	NM

Table E-1. Historic Well Gauging Data

Date	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8S		MW-8M	
	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)	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]	**18.49** **18.38**	[6]	**18.29** **18.22**	[6]	**17.05** **16.99** **16.87**	[5] [6]	**19.62** **19.54**	[6]	**18.03** **17.92**	[6]	**17.87** **17.74**	[6]	**20.51** **20.38**	[6]	**17.76** **17.58**	[6]	**17.41**	[10]
08/20/2003	9.66	8.72	9.48	8.74	8.40	8.47	11.31	8.23	9.13	8.79	9.31	8.43	11.91	8.47	9.15	8.43	NM	NM
11/20/2003	9.19	9.19	8.97	9.25	7.74	9.13	10.70	8.84	8.69	9.23	8.71	9.03	11.37	9.01	8.56	9.02	NM	NM
02/23/2004	8.04	10.34	7.79	10.43	6.84	10.03	9.55	9.99	7.52	10.40	7.79	9.95	10.28	10.10	7.63	9.95	NM	NM
05/25/2004 [2]	9.02	9.36	8.82	9.40	7.81	9.06	10.52	9.02	8.50	9.42	8.68	9.06	11.23	9.15	8.58	9.00	NM	NM
08/25/2004 [2]	9.63	8.75	9.45	8.77	8.36	8.51	11.17	8.37	9.13	8.79	9.30	8.44	11.88	8.50	9.15	8.43	NM	NM
11/29/2004 [2]	9.74	8.64	9.55	8.67	8.49	8.38	11.20	8.34	9.24	8.68	9.39	8.35	11.96	8.42	9.26	8.32	NM	NM
02/28/2005 [2]	9.06	9.32	8.91	9.31	7.85	9.02	10.39	9.15	8.58	9.34	8.76	8.98	11.29	9.09	8.65	8.93	NM	NM
05/31/2005 [2]	8.85	9.53	8.64	9.58	7.62	9.25	10.41	9.13	8.33	9.59	NM[8]	---	11.12	9.26	8.40	9.18	NM	NM
08/08/2005 [2]	9.38	9.00	9.24	8.98	8.24	8.63	10.85	8.69	8.85	9.07	9.10	8.64	11.66	8.72	8.97	8.61	NM	NM
11/14/2005 [2]	9.36	9.02	9.46	8.76	8.40	8.47	11.15	8.39	9.13	8.79	9.30	8.44	11.86	8.52	9.02	8.56	9.18	8.23
02/06/2006 [2]	7.39	10.99	7.19	11.03	6.17	10.70	8.88	10.66	6.88	11.04	7.09	10.65	9.63	10.75	6.94	10.64	6.79	10.62
05/06/2006 [2]	8.91	9.47	8.71	9.51	7.69	9.18	10.49	9.05	8.40	9.52	8.57	9.17	11.15	9.23	8.44	9.14	8.29	9.12
08/14/2006 [2]	9.63	8.75	9.44	8.78	8.41	8.46	11.19	8.35	9.12	8.80	9.28	8.46	11.87	8.51	9.18	8.40	9.01	8.40
11/06/2006 [2]	9.78	8.60	9.57	8.65	8.38	8.49	11.25	8.29	9.27	8.65	9.33	8.41	11.95	8.43	9.04	8.54	9.02	8.39
02/19/2007 [2]	NM	NM	8.31	9.91	7.2	9.67	9.92	9.62	8.01	9.91	8.09	9.65	10.66	9.72	7.96	9.62	7.81	9.6
05/21/2007 [2]	9.12	9.26	8.91	9.31	7.84	9.03	10.58	8.96	8.62	9.3	8.72	9.02	11.3	9.08	8.61	8.97	8.44	8.97
08/13/2007 [2]	9.74	8.64	9.53	8.69	8.48	8.39	11.12	8.42	9.21	8.71	9.33	8.41	11.92	8.46	9.27	8.31	9.1	8.31
11/12/2007 [3]	10.01	8.37	9.81	8.41	8.76	8.11	11.22	8.32	9.5	8.42	9.62	8.12	12.21	8.17	9.59	7.99	9.14	8.27
02/22/2008 [2]	9.06	9.32	8.86	9.36	7.85	9.02	10.34	9.2	8.55	9.37	8.71	9.03	11.18	9.2	8.69	8.89	8.48	8.93
04/28/2008 [2]	9.33	9.05	9.12	9.1	8.1	8.77	10.85	8.69	8.81	9.11	8.98	8.76	11.52	8.86	8.87	8.71	8.71	8.7
08/04/2008 [3]	9.86	8.52	9.68	8.54	8.61	8.26	11.3	8.24	9.35	8.57	9.48	8.26	12.05	8.33	9.2	8.38	9.37	8.04
11/04/2008 [2]	10.23	8.15	10.05	8.17	8.94	7.93	11.7	7.84	9.74	8.18	9.8	7.94	12.42	7.96	9.7	7.88	9.54	7.87
02/02/2009 [3]	9.08	9.3	8.95	9.27	7.9	8.97	10.63	8.91	8.56	9.36	8.73	9.01	11.26	9.12	8.65	8.93	8.48	8.93
05/12/2009 [2]	9.06	9.32	8.86	9.36	7.83	9.04	10.62	8.92	8.53	9.39	8.72	9.02	11.29	9.09	8.6	8.98	8.42	8.99
08/24/2009 [2]	9.93	8.45	9.74	8.48	8.69	8.18	11.39	8.15	9.42	8.50	9.55	8.19	12.16	8.22	9.44	8.14	9.27	8.14
08/24/2009 [2]	9.93	8.45	9.74	8.48	8.69	8.18	11.39	8.15	9.42	8.50	9.55	8.19	12.16	8.22	9.44	8.14	9.27	8.14
08/24/2009 [2]	9.93	8.45	9.74	8.48	8.69	8.18	11.39	8.15	9.42	8.50	9.55	8.19	12.16	8.22	9.44	8.14	9.27	8.14
11/10/2009 [2]	9.68	8.70	9.5	8.72	8.39	8.48	11.14	8.40	9.17	8.75	9.31	8.43	11.87	8.51	9.21	8.37	9.04	8.37
02/22/2010 [2]	8.25	10.13	8.06	10.16	7.05	9.82	9.82	9.72	7.73	10.19	7.9	9.84	10.5	9.88	7.8	9.78	7.66	9.75
05/26/2010 [2]	8.63	9.75	8.46	9.76	7.45	9.42	10.12	9.42	8.12	9.80	8.32	9.42	10.88	9.50	8.24	9.34	8.05	9.36
08/24/2010 [2]	9.38	9.00	9.2	9.02	8.18	8.69	10.91	8.63	8.78	9.14	9.04	8.70	11.6	8.78	8.92	8.66	8.77	8.64
11/29/2010 [3]	9.07	9.31	8.88	9.34	7.84	9.03	10.62	8.92	8.56	9.36	8.73	9.01	11.3	9.08	8.61	8.97	8.43	8.98

Table E-1. Historic Well Gauging Data

Date	MW-9		MW-10		MW-11		MW-12		MW-13		MW-14S		MW-14D		MW-15S		MW-15D		MW-16M	
	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)	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]	**16.67**		**17.58**	[5]	**17.67**		**17.98**	[5]	**NS**		**NS**		**NS**		**NS**		**NS**		**NS**	
	16.56	[6]	**17.44**	[6]	**17.49**	[6]	**17.75**	[6]	**18.38**	[6]	**17.38**	[6]	**16.90**	[6]	**16.95**	[6]	**16.62**	[6]	**16.68**	[6]
08/13/1996	7.18	9.49	8.45	9.13	8.64	9.03	8.95	9.03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/22/1996 [2]	7.27	9.40	8.55	9.03	8.72	8.95	9.03	8.95	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/22/1996 [2]	NM	NM	8.59	8.99	8.72	8.95	9.04	8.94	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/1996 [2]	7.35	9.32	8.57	9.01	8.74	8.93	9.04	8.94	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/1996 [3]	7.36	9.31	8.58	9.00	8.75	8.92	9.05	8.93	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/1996 [3]	7.44	9.23	8.65	8.93	8.80	8.87	9.11	8.87	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/1996 [3]	7.43	9.24	8.66	8.92	8.80	8.87	9.09	8.89	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/27/1996	7.46	9.21	8.67	8.91	8.82	8.85	9.12	8.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/28/1996	7.48	9.19	8.70	8.88	8.84	8.83	9.13	8.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/30/1996	7.49	9.18	8.71	8.87	8.86	8.81	9.15	8.83	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/03/1996	7.48	9.19	8.75	8.83	8.91	8.76	9.21	8.77	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/05/1996	7.51	9.16	8.79	8.79	8.92	8.75	9.24	8.74	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/10/1996	7.62	9.05	8.85	8.73	8.99	8.68	9.30	8.68	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/12/1996	7.63	9.04	8.87	8.71	9.02	8.65	9.31	8.67	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/30/1996	7.69	8.98	8.96	8.62	9.12	8.55	9.43	8.55	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/14/1996	8.86	7.81	10.09	7.49	10.26	7.41	10.58	7.40	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/29/1996	7.70	8.97	8.97	8.61	9.16	8.51	9.48	8.50	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/20/1996 [4]	7.61	9.06	8.88	8.70	9.06	8.61	9.41	8.57	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/25/1996	8.47	8.20	9.76	7.82	9.97	7.70	10.31	7.67	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
01/03/1997	5.46	11.21	6.87	10.71	7.28	10.39	7.72	10.26	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
04/17/1997	6.48	10.19	7.68	9.90	7.84	9.83	8.11	9.87	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
07/21/1997	6.74	9.93	8.09	9.49	8.29	9.38	8.58	9.40	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/19/1997	7.05	9.62	8.37	9.21	8.51	9.16	8.83	9.15	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/24/1998	5.82	10.85	7.16	10.42	7.38	10.29	7.68	10.3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/20/1998	6.9	9.77	8.21	9.37	8.38	9.29	8.68	9.3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/12/1998	7.71	8.96	8.95	8.63	9.09	8.58	9.37	8.61	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/09/1998	8.09	8.58	9.28	8.3	9.5	8.17	9.79	8.19	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/24/1999	5.16	11.51	6.6	10.98	6.91	10.76	7.25	10.73	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
06/08/1999	7.07	9.60	8.28	9.30	8.41	9.26	8.69	9.29	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/25/1999	7.77	8.9	8.95	8.63	9.1	8.57	9.4	8.58	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/22/1999	7.55	9.12	8.84	8.74	9.07	8.6	9.44	8.54	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/02/2000	6.85	9.82	8.12	9.46	8.37	9.30	8.73	9.25	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/23/2000	7.23	9.44	8.5	9.08	8.65	9.02	8.96	9.02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/29/2000	7.58	9.09	7.94	9.56	7.26	10.41	7.87	10.01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/01/2000	7.83	8.84	9.01	8.49	9.44	8.23	9.22	8.66	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/28/2000	7.82	8.85	9.05	8.45	9.28	8.39	9.52	8.36	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/20/2001	7.65	9.02	8.82	8.68	9.11	8.56	9.26	8.62	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/24/2001	7.82	8.85	9.05	8.45	9.30	8.37	9.36	8.52	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/27/2001	8.24	8.43	9.40	8.10	9.61	8.06	9.78	8.10	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/05/2001	8.36	8.31	9.51	7.99	9.75	7.92	9.90	7.98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/21/2002	6.34	10.33	7.78	9.72	8.05	9.62	8.15	9.73	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/23/2002	7.16	9.51	8.39	9.11	8.61	9.06	8.77	9.11	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/14/2002	7.73	8.94	8.93	8.57	9.08	8.59	9.36	8.52	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
12/03/2002	8.31	8.36	9.46	8.04	9.71	7.96	9.90	7.98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/26/2003	7.10	9.57	8.40	9.10	8.54	9.13	8.78	9.10	9.01	NS	NM	NS	NM	NS	NM	NS	NM	NS	NM	NS
05/28/2003	7.15	9.52	8.47	9.03	8.62	9.05	8.85	9.03	9.01	NS	NM	NS	NM	NS	NM	NS	NM	NS	NM	NS

Table E-1. Historic Well Gauging Data

Date	MW-9		MW-10		MW-11		MW-12		MW-13		MW-14S		MW-14D		MW-15S		MW-15D		MW-16M	
	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)	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]	**16.67** **16.56** [6]		**17.58** **17.50** [5] **17.44** [6]		**17.67** **17.49** [6]		**17.98** **17.88** [5] **17.75** [6]		**NS** **18.38** [6]		**NS** **17.38** [6]		**NS** **16.90** [6]		**NS** **16.95** [6]		**NS** **16.62** [6]		**NS** **16.68** [6]	
08/20/2003	7.97	8.59	9.21	8.23	9.33	8.16	9.56	8.19	9.94	8.44	9.22	8.16	8.78	8.12	9.13	7.82	8.81	7.81	9.17	7.51
11/20/2003	7.29	9.27	8.69	8.75	8.92	8.57	9.16	8.59	9.38	9.00	8.81	8.57	8.37	8.53	8.74	8.21	8.36	8.26	8.82	7.86
02/23/2004	6.37	10.19	7.72	9.72	7.91	9.58	8.14	9.61	8.35	10.03	7.81	9.57	7.34	9.56	7.77	9.18	7.44	9.18	7.92	8.76
05/25/2004 [2]	7.34	9.22	8.66	8.78	8.79	8.70	9.01	8.74	9.32	9.06	8.70	8.68	8.24	8.66	8.62	8.33	8.32	8.30	8.68	8.00
08/25/2004 [2]	7.93	8.63	9.20	8.24	9.33	8.16	9.53	8.22	9.91	8.47	9.22	8.16	8.74	8.16	9.09	7.86	8.74	7.88	9.19	7.49
11/29/2004 [2]	8.04	8.52	9.30	8.14	9.42	8.07	9.68	8.07	10.01	8.37	9.33	8.05	8.83	8.07	9.22	7.73	8.89	7.73	9.32	7.36
02/28/2005 [2]	7.41	9.15	8.72	8.72	8.84	8.65	9.07	8.68	9.35	9.03	8.74	8.64	8.34	8.56	8.66	8.29	8.34	8.28	8.70	7.98
05/31/2005 [2]	7.20	9.36	8.48	8.96	8.61	8.88	8.85	8.90	9.16	9.22	8.56	8.82	8.14	8.76	8.43	8.52	8.12	8.50	8.51	8.17
08/08/2005 [2]	7.78	8.78	9.02	8.42	9.18	8.31	9.36	8.39	9.72	8.66	9.03	8.35	8.53	8.37	8.93	8.02	8.58	8.04	8.95	7.73
11/14/2005 [2]	7.93	8.63	9.18	8.26	9.35	8.14	9.55	8.20	9.91	8.47	9.19	8.19	8.74	8.16	9.05	7.90	8.69	7.93	9.07	7.61
02/06/2006 [2]	5.69	10.87	7.15	10.29	7.40	10.09	7.69	10.06	7.70	10.68	7.28	10.10	6.89	10.01	7.39	9.56	6.94	9.68	7.62	9.06
05/06/2006 [2]	7.22	9.34	8.45	8.99	8.57	8.92	8.78	8.97	9.21	9.17	8.45	8.93	7.94	8.96	8.38	8.57	8.09	8.53	8.50	8.18
08/14/2006 [2]	7.95	8.61	9.16	8.28	9.28	8.21	9.49	8.26	9.93	8.45	9.17	8.21	8.70	8.20	9.02	7.93	8.69	7.93	9.06	7.62
11/06/2006 [2]	7.90	8.66	9.12	8.32	9.33	8.16	9.55	8.20	9.96	8.42	9.22	8.16	8.73	8.17	9.06	7.89	8.62	8.00	9.13	7.55
02/19/2007 [2]	6.76	9.8	7.99	9.45	8.11	9.375	8.34	9.41	8.71	9.67	8.01	9.37	7.55	9.35	7.93	9.02	7.61	9.01	8.03	8.65
05/21/2007 [2]	7.39	9.17	8.59	8.85	8.71	8.775	8.93	8.82	9.35	9.03	8.6	8.78	8.13	8.77	8.51	8.44	8.18	8.44	8.58	8.1
08/13/2007 [2]	8.02	8.54	9.19	8.25	9.3	8.185	9.53	8.22	9.96	8.42	9.26	8.12	8.74	8.16	9.02	7.93	8.7	7.92	9.03	7.65
11/12/2007 [3]	8.28	8.28	9.48	7.96	9.62	7.865	9.79	7.96	10.26	8.12	9.46	7.92	8.96	7.94	9.3	7.65	8.94	7.68	9.31	7.37
02/22/2008 [2]	7.35	9.21	8.59	8.85	8.68	8.805	8.93	8.82	9.3	9.08	8.59	8.79	8.14	8.76	8.49	8.46	8.16	8.46	8.55	8.13
04/28/2008 [2]	7.62	8.94	8.87	8.57	9.01	8.475	9.21	8.54	9.6	8.78	8.9	8.48	8.44	8.46	8.85	8.1	8.52	8.1	8.9	7.78
08/04/2008 [3]	8.18	8.38	9.39	8.05	9.5	7.99	9.73	8.02	10.1	8.28	9.4	7.98	8.93	7.97	9.25	7.70	9.92	6.70	9.24	7.44
11/04/2008 [2]	8.52	8.04	9.71	7.73	9.81	7.675	10.02	7.73	10.4	7.98	9.7	7.68	9.2	7.7	9.52	7.43	9.15	7.47	9.52	7.16
02/02/2009 [3]	7.4	9.16	8.68	8.76	8.8	8.685	9.01	8.74	9.31	9.07	8.7	8.68	8.24	8.66	8.64	8.31	8.33	8.29	8.72	7.96
05/12/2009 [2]	7.36	9.20	8.64	8.80	8.79	8.70	9.02	8.73	9.35	9.03	8.69	8.69	8.22	8.68	8.64	8.31	8.3	8.32	8.74	7.94
08/24/2009 [2]	8.24	8.32	9.4	8.04	9.53	7.96	9.78	7.97	10.12	8.26	9.43	7.95	8.94	7.96	9.34	7.61	8.98	7.64	9.33	7.35
08/24/2009 [2]	8.24	8.32	9.4	8.04	9.53	7.96	9.78	7.97	10.12	8.26	9.43	7.95	8.94	7.96	9.34	7.61	8.98	7.64	9.33	7.35
08/24/2009 [2]	8.24	8.32	9.4	8.04	9.53	7.96	9.78	7.97	10.12	8.26	9.43	7.95	8.94	7.96	9.34	7.61	8.98	7.64	9.33	7.35
11/10/2009 [2]	7.89	8.67	9.12	8.32	9.29	8.20	9.54	8.21	9.91	8.47	9.18	8.20	8.69	8.21	9.04	7.91	8.65	7.97	9.08	7.60
02/22/2010 [2]	6.54	10.02	7.81	9.63	7.94	9.55	8.17	9.58	8.58	9.80	7.83	9.55	7.39	9.51	7.78	9.17	7.45	9.17	7.88	8.80
05/26/2010 [2]	6.98	9.58	8.27	9.17	8.4	9.09	8.6	9.15	8.92	9.46	8.29	9.09	7.82	9.08	8.24	8.71	7.9	8.72	8.34	8.34
08/24/2010 [2]	7.7	8.86	8.95	8.49	9.05	8.44	9.28	8.47	9.66	8.72	8.96	8.42	8.5	8.40	8.88	8.07	8.52	8.10	8.92	7.76
11/29/2010 [3]	7.36	9.2	8.58	8.86	8.71	8.775	8.91	8.84	9.35	9.03	8.6	8.78	8.13	8.77	8.52	8.43	8.18	8.44	8.61	8.07

Table E-1. Historic Well Gauging Data

Date	MW-16D		MW-17M		MW-17D		MW-18M		MW-18D		MW-19M		MW-20M		MW-21S		RW-1		RW-2	
	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)	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**	**16.55** [6]	**NS**	**17.74** [8]	**NS**	**17.80** [8]	**NS**	**15.76** [8]	**NS** 15.23	**15.55** [11]	**NS**	**17.65** [8]	**NS**	**17.63** [8]		**17.09** [10]	**14.97**	**14.82** [6]	**15.55**	**15.43** [6]
08/13/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	8.15	7.40
08/22/1996 [2]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/22/1996 [2]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/1996 [2]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/1996 [3]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/1996 [3]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/1996 [3]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/27/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/28/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/30/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/03/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/05/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/10/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/12/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/30/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/14/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/29/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/20/1996 [4]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.59	8.38	7.38	8.17
11/25/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
01/03/1997	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
04/17/1997	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.95	9.02	6.27	9.28
07/21/1997	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.11	9.86	5.78	9.77
11/19/1997	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.49	8.48	7.51	8.04
02/24/1998	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.51	10.46	5.74	9.81
05/20/1998	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.75	9.22	6.13	9.42
08/12/1998	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.19	7.78	8.15	7.4
11/09/1998	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.07	7.9	7.78	7.77
02/24/1999	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.52	10.45	5.08	10.47
06/08/1999	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.05	8.92	7.71	7.84
08/25/1999	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.98	7.99	7.85	7.7
11/22/1999	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.77	8.2	7.3	8.25
02/02/2000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.92	9.05	6.35	9.20
05/23/2000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.9	8.07	6.53	9.02
08/29/2000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.95	8.02	7.68	7.87
11/01/2000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.4	8.57	7.6	7.95
11/28/2000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.24	8.73	7.43	8.12
02/20/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.98	7.99	7.83	7.72
05/24/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.46	8.51	7.00	8.55
08/27/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.53	7.44	8.03	7.52
11/05/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	8.05	6.92	8.76	6.79
02/21/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.63	9.34	6.38	9.17
05/23/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.26	8.71	6.18	9.37
08/14/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.38	8.59	5.98	9.57
12/03/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.85	8.12	7.76	7.79
02/26/2003	NM	NS	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.24	8.73	6.92	8.63
05/28/2003	NM	NS	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.07	8.90	6.75	8.80

Date	MW-16D		MW-17M		MW-17D		MW-18M		MW-18D		MW-19M		MW-20M		MW-21S		RW-1		RW-2	
	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)**	**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** **16.55**	[6]	**NS** **17.74**	[8]	**NS** **17.80**	[8]	**NS** **15.76**	[8]	**NS** **15.23** **15.55**	[11]	**NS** **17.65**	[8]	**NS** **17.63**	[8]	**17.09**	[10]	**14.97** **14.82**	[6]	**15.55** **15.43**	[6]
08/20/2003	8.99	7.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.35	8.47	7.25	8.18
11/20/2003	8.48	8.07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.64	9.18	6.45	8.98
02/23/2004	7.70	8.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.75	10.07	6.20	9.23
05/25/2004 [2]	8.43	8.12	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.79	9.03	6.92	8.51
08/25/2004 [2]	8.87	7.68	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.29	8.53	7.17	8.26
11/29/2004 [2]	8.98	7.57	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.45	8.37	7.69	7.74
02/28/2005 [2]	8.52	8.03	9.41	8.33	9.52	8.28	7.54	8.22	7.32	8.23	8.98	8.67	8.96	8.67	NM	NM	5.82	9.00	7.37	8.06
05/31/2005 [2]	8.32	8.23	9.20	8.54	9.35	8.45	7.32	8.44	7.22	8.33	8.78	8.87	8.75	8.88	NM	NM	5.58	9.24	6.58	8.85
08/08/2005 [2]	8.76	7.79	9.69	8.05	9.75	8.05	7.81	7.95	7.63	7.92	9.28	8.37	9.27	8.36	NM	NM	6.08	8.74	7.14	8.29
11/14/2005 [2]	8.84	7.71	9.82	7.92	9.85	7.95	7.89	7.87	7.65	7.90	9.46	8.19	10.44	7.19	9.19	7.90	7.33	7.49	7.93	7.50
02/06/2006 [2]	7.24	9.31	7.19	10.55	8.32	9.48	6.22	9.54	6.00	9.55	7.60	10.05	7.46	10.17	7.51	9.58	4.11	10.71	4.99	10.44
05/06/2006 [2]	8.30	8.25	9.15	8.59	9.12	8.68	7.30	8.46	7.13	8.42	8.69	8.96	8.70	8.93	8.51	8.58	5.60	9.22	6.91	8.52
08/14/2006 [2]	8.87	7.68	9.77	7.97	9.88	7.92	7.90	7.86	7.74	7.49	9.40	8.25	9.40	8.23	9.15	7.94	6.36	8.46	7.76	7.67
11/06/2006 [2]	8.74	7.81	9.87	7.87	9.87	7.93	7.79	7.97	7.54	8.01	9.45	8.20	9.40	8.23	9.19	7.90	6.08	8.74	7.45	7.98
02/19/2007 [2]	7.84	8.705	8.67	9.065	8.78	9.015	6.83	8.925	6.64	8.59	8.26	9.385	8.25	9.375	8.05	9.04	5.13	9.69	6.28	9.15
05/21/2007 [2]	8.38	8.165	9.24	8.495	9.36	8.435	7.38	8.375	7.21	8.02	8.89	8.755	8.84	8.785	8.61	8.48	5.79	9.03	7.17	8.26
08/13/2007 [2]	8.82	7.725	9.75	7.985	9.88	7.915	7.89	7.865	7.7	7.53	9.45	8.195	9.42	8.205	9.15	7.94	6.41	8.41	7.47	7.96
11/12/2007 [3]	9.04	7.505	10.06	7.675	10.05	7.745	8.14	7.615	7.9	7.645	9.42	8.225	9.69	7.935	9.42	7.67	NM	14.82	9.41	6.02
02/22/2008 [2]	8.39	8.155	9.24	8.495	9.33	8.465	7.38	8.375	7.2	8.345	8.84	8.805	8.82	8.805	8.63	8.46	5.8	9.02	8.62	6.81
04/28/2008 [2]	8.7	7.845	9.62	8.115	9.7	8.095	7.73	8.025	7.55	7.995	9.14	8.505	9.14	8.485	8.98	8.11	6.02	8.8	8.48	6.95
08/04/2008 [3]	9.07	7.48	10.01	7.73	10.1	7.70	8.12	7.64	7.94	7.61	9.64	8.01	9.63	8.00	9.35	7.74	6.55	8.27	7.4	8.03
11/04/2008 [2]	9.25	7.295	10.3	7.435	10.35	7.445	8.34	7.415	8.14	7.405	9.93	7.715	9.93	7.695	9.6	7.49	6.9	7.92	8.6	6.83
02/02/2009 [3]	8.51	8.035	9.38	8.355	9.48	8.315	7.47	8.285	7.31	8.235	8.94	8.705	8.94	8.685	8.75	8.34	5.81	9.01	7.45	7.98
05/12/2009 [2]	8.53	8.02	9.39	8.35	9.47	8.33	7.51	8.25	7.32	8.23	8.94	8.71	8.91	8.72	8.74	8.35	5.77	9.05	7.3	8.13
08/24/2009 [2]	9.13	7.42	10.09	7.65	10.18	7.62	8.21	7.55	8.02	7.53	9.69	7.96	9.69	7.94	9.45	7.64	6.61	8.21	8.16	7.27
08/24/2009 [2]	9.13	7.42	10.09	7.65	10.18	7.62	8.21	7.55	8.02	7.53	9.69	7.96	9.69	7.94	9.45	7.64	6.61	8.21	8.16	7.27
08/24/2009 [2]	9.13	7.42	10.09	7.65	10.18	7.62	8.21	7.55	8.02	7.53	9.69	7.96	9.69	7.94	9.45	7.64	6.61	8.21	8.16	7.27
11/10/2009 [2]	8.8	7.75	9.8	7.94	9.84	7.96	7.86	7.90	7.61	7.94	9.45	8.20	9.38	8.25	9.15	7.94	6.31	8.51	8.58	6.85
02/22/2010 [2]	7.67	8.88	8.52	9.22	8.62	9.18	6.65	9.11	6.48	9.07	8.08	9.57	8.07	9.56	7.88	9.21	4.95	9.87	6.53	8.90
05/26/2010 [2]	8.14	8.41	8.97	8.77	9.07	8.73	7.11	8.65	6.88	8.67	8.52	9.13	8.53	9.10	8.32	8.77	5.39	9.43	7.32	8.11
08/24/2010 [2]	8.74	7.81	9.63	8.11	9.72	8.08	7.76	8.00	7.58	7.97	9.19	8.46	9.2	8.43	8.97	8.12	6.12	8.70	7.69	7.74
11/29/2010 [3]	8.37	8.175	9.25	8.485	9.33	8.465	7.39	8.365	7.19	8.355	8.85	8.795	8.83	8.795	8.62	8.47	5.76	9.06	7.31	8.12

Table E-1. Historic Well Gauging Data

Date	RW-3		EPI-MW-1S		EPI-MW-1D		EPI-MW-2S		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)	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** **17.93**	[6]	**NS** **18.29**		**NS** **18.20**		**NS** **18.81**	[7]	**NS** **18.83**	[7]	**NS** **19.41**	[7]	**NS** **19.38**	[7]	**NS** **19.33**	[7]	**NS** **19.33**	[7]
08/13/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/22/1996 [2]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/22/1996 [2]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/1996 [2]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/23/1996 [3]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/1996 [3]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/26/1996 [3]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/27/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/28/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/30/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/03/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/05/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/10/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/12/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
09/30/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/14/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
10/29/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/20/1996 [4]	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/25/1996	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
01/03/1997	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
04/17/1997	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
07/21/1997	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/19/1997	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/24/1998	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/20/1998	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/12/1998	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/09/1998	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/24/1999	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
06/08/1999	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/25/1999	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/22/1999	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/02/2000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/23/2000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/29/2000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/01/2000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/28/2000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/20/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/24/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/27/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/05/2001	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/21/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/23/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
08/14/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
12/03/2002	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/26/2003	10.03	NS	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/28/2003	8.49	NS	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table E-1. Historic Well Gauging Data

Date	RW-3		EPI-MW-1S		EPI-MW-1D		EPI-MW-2S		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)	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 17.93**	[6]	**NS 18.29**		**NS 18.20**		**NS 18.81**	[7]	**NS 18.83**	[7]	**NS 19.41**	[7]	**NS 19.38**	[7]	**NS 19.33**	[7]	**NS 19.33**	[7]
08/20/2003	10.45	7.48	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/20/2003	9.62	8.31	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/23/2004	8.28	9.65	8.43	9.86	8.34	9.86	DRY		9.20	9.63	9.63	9.78	9.64	9.74	9.44	9.89	9.41	9.92
05/25/2004 [2]	9.35	8.58	9.35	8.94	9.28	8.92	DRY		10.09	8.74	10.55	8.86	10.58	8.80	10.42	8.91	10.38	8.95
08/25/2004 [2]	10.08	7.85	9.88	8.41	9.81	8.39	DRY		10.61	8.22	11.11	8.30	11.09	8.29	10.98	8.35	10.97	8.36
11/29/2004 [2]	9.96	7.97	9.93	8.36	10.03	8.17	DRY		10.73	8.10	11.20	8.21	11.21	8.17	11.07	8.26	11.07	8.26
02/28/2005 [2]	9.48	8.45	9.39	8.90	9.32	8.88	DRY		10.14	8.69	10.61	8.80	10.62	8.76	10.47	8.86	10.48	8.85
05/31/2005 [2]	9.21	8.72	9.21	9.08	9.11	9.09	DRY		9.91	8.92	10.38	9.03	10.40	8.98	10.22	9.11	10.23	9.10
08/08/2005 [2]	9.63	8.30	9.71	8.58	9.62	8.58	DRY		10.43	8.40	10.91	8.50	10.94	8.44	10.81	8.52	10.79	8.54
11/14/2005 [2]	10.23	7.70	9.91	8.38	9.81	8.39	DRY		10.60	8.23	11.09	8.32	11.09	8.29	10.95	8.38	10.95	8.38
02/06/2006 [2]	7.80	10.13	7.84	10.45	7.74	10.46	DRY		8.68	10.15	9.10	10.31	9.09	10.29	8.87	10.46	8.86	10.47
05/06/2006 [2]	9.75	8.18	9.18	9.11	9.12	9.08	DRY		9.88	8.95	10.36	9.05	10.38	9.00	10.25	9.08	10.25	9.08
08/14/2006 [2]	10.32	7.61	9.90	8.39	9.80	8.40	DRY		10.56	8.27	11.03	8.38	11.08	8.30	10.93	8.40	10.96	8.37
11/06/2006 [2]	10.21	7.72	9.79	8.50	9.79	8.41	DRY		10.60	8.23	11.07	8.34	11.09	8.29	10.91	8.42	10.91	8.42
02/19/2007 [2]	8.75	9.18	8.71	9.575	8.62	9.58	DRY		9.4	9.43	9.89	9.515	9.89	9.49	9.76	9.565	9.74	9.585
05/21/2007 [2]	9.55	8.38	9.31	8.975	9.23	8.97	DRY		10	8.83	10.49	8.915	10.52	8.86	10.38	8.945	10.37	8.955
08/13/2007 [2]	9.93	8	9.94	8.345	9.87	8.33	DRY		7.6	11.23	11.11	8.295	11.11	8.27	11	8.325	11.01	8.315
11/12/2007 [3]	10.25	7.68	10.19	8.095	10.11	8.09	DRY		9.88	8.95	11.41	7.995	11.41	7.97	11.31	8.015	11.31	8.015
02/22/2008 [2]	8.85	9.08	9.31	8.975	9.24	8.96	DRY		10.02	8.81	10.5	8.905	10.51	8.87	10.37	8.955	10.4	8.925
04/28/2008 [2]	10.07	7.86	9.54	8.745	9.47	8.73	DRY		10.3	8.53	10.76	8.645	10.78	8.6	10.65	8.675	10.65	8.675
08/04/2008 [3]	10.15	7.78	10.1	8.19	10.02	8.18	DRY		10.81	8.02	11.28	8.13	11.31	8.07	11.17	8.16	11.17	8.16
11/04/2008 [2]	10.82	7.11	10.38	7.905	10.31	7.89	DRY		11.09	7.74	11.57	7.835	11.6	7.78	11.45	7.875	11.47	7.855
02/02/2009 [3]	9.68	8.25	9.35	8.935	9.3	8.9	DRY		10.1	8.73	10.59	8.815	10.6	8.78	10.46	8.865	10.47	8.855
05/12/2009 [2]	9.83	8.10	9.36	8.93	9.27	8.93	DRY		10.09	8.74	10.56	8.85	10.57	8.81	10.4	8.93	10.42	8.91
08/24/2009 [2]	10.45	7.48	10.09	8.20	10.07	8.13	DRY		10.87	7.96	11.36	8.05	11.35	8.03	11.23	8.10	11.23	8.10
08/24/2009 [2]	10.45	7.48	10.09	8.20	10.07	8.13	DRY		10.87	7.96	11.36	8.05	11.35	8.03	11.23	8.10	11.23	8.10
08/24/2009 [2]	10.45	7.48	10.09	8.20	10.07	8.13	DRY		10.87	7.96	11.36	8.05	11.35	8.03	11.23	8.10	11.23	8.10
11/10/2009 [2]	10.13	7.80	9.9	8.39	9.81	8.39	DRY		10.59	8.24	11.08	8.33	11.1	8.28	10.95	8.38	10.95	8.38
02/22/2010 [2]	9.04	8.89	8.53	9.76	8.46	9.74	DRY		9.25	9.58	9.71	9.70	9.72	9.66	9.58	9.75	9.58	9.75
05/26/2010 [2]	8.98	8.95	8.94	9.35	8.85	9.35	DRY		9.69	9.14	10.17	9.24	10.18	9.20	10.03	9.30	10.02	9.31
08/24/2010 [2]	10.1	7.83	9.65	8.64	9.59	8.61	DRY		10.38	8.45	10.86	8.55	10.88	8.50	10.76	8.57	10.77	8.56
11/29/2010 [3]	9.87	8.06	9.33	8.955	9.25	8.95	DRY		10.03	8.8	10.52	8.885	10.54	8.84	10.38	8.945	10.39	8.935

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 Elevation.
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 during 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 (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 (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
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 (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 (Shallow)	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
	MW-1-0204	02/23/2004	0.39 b	< 1.0	< 1.0	4.3 b	110	34	< 0.020 b
	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 bJ	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
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 (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-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
	MW-2-0204	02/24/2004	< 0.020 b	< 0.2	< 0.2	0.24 b	3.4	< 0.2	< 0.020 b
	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
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
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 (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 (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
	MW-3-0204	02/24/2004	0.028 b	< 0.2	< 0.2	< 0.020 b	0.4	< 0.2	< 0.020 b
	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
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 (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 (Shallow)	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
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
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
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 (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 (Shallow)	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
	MW-4-0204	02/24/2004	3.1 b	< 1.0	< 1.0	4.0 b	98	20	0.043 b
	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	28	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	< 0.20	< 0.20	0.50 b	7.1	1.4	< 0.020 b
	MW-400-0210 (Dup)	02/25/2010	1.9	< 0.20	< 0.20	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
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 (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 (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
	MW-5-0204	02/24/2004	0.042 b	< 0.2	< 0.2	0.45 b	2.0	8.0	< 0.020 b
	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
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 (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-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
	MW-6-0204	02/25/2004	0.42 b	< 0.2	< 0.2	0.057 b	3.0	< 0.2	0.030 b
	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
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 (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-6	MW-6-1105	11/17/2005	0.12 b	< 0.2	< 0.2	0.026 b	2.1	< 0.2	< 0.020 b
(Shallow)	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
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
MW-7	MW-7-4	*2/25/1994*	*260*	NA	*5.6*	< *5.0*	< *5.0*	< *5.0*	< *10*
(Shallow)	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
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 (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 (Shallow)	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
	MW-7-0204	02/24/2004	1.1 b	< 0.2	4.4	< 0.020 b	3.9	< 0.2	0.046 b
	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
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 (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-8-4	*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
	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
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 (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*	MW-8S-1106	11/07/2006	< 0.2	< 0.2	0.8	< 0.020 b	1.4 b	< 0.2	< 0.020 b
(Shallow)	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[g]	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
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
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
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 (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-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
	MW-9-0204	02/24/2004	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
	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
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 (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-10-6	*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
	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
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 (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 (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
	MW-11-0204	02/23/2004	0.32 b	1.7	16	< 0.020 b	9.8	< 0.4	0.086 b
	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
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 (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 (Shallow)	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 b	< 0.2	0.12 b
	MW-111-0806 (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 b	< 0.2	0.15 J
	MW-11-0208	02/20/2008	0.4	1.9	12	< 0.020 b	9.7 bJ	< 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 b	< 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
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 (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 (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-12-0204	02/25/2004	< 0.020 b	< 0.2	< 0.2	0.025 b	< 0.2	< 0.2	< 0.020 b
	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
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 (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-13 (Shallow)	MW-13-0203	2/26/2003	0.1 b	< 0.2	< 0.2	< 0.1 b	< 0.2	< 0.2	0.053 b
	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
	MW-13-0204	02/24/2004	0.070 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	0.12 b
	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
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 (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-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	< 0.0 b	140.0	< 1.0	1 b
	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
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 (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-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-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
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 (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-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-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
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 (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-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-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
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 (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-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	< 0.02 b	< 0.2	< 0.2	< 0.020 b	< 0.200	< 0.2	< 0.020 b
	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
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 (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-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
	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
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 (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*	MW-17M-0205	03/03/2005	0.1 b	< 0.2	0.5	< 0.020 b	< 0.2	< 0.2	0.024 b
(Intermediate)	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
	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
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4
MW-17D*	MW-17D-0205	03/03/2005	< 0.020 b	< 0.2	< 0.2	< 0.020 b	< 0.2	< 0.2	< 0.020 b
(Deep)	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
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 (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
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4
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
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 (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-19M* (Intermediate)	MW-19M-0205	02/28/2005	0.3 b	< 0.20	0.6	< 0.020 b	< 0.20	< 0.20	< 0.020 b
	MW-19M-0505	05/31/2005	0.3	< 0.20	0.5	< 0.020 b	< 0.20	< 0.20	< 0.020 b
	MW-19M-0805	08/11/2005	0.22 b	< 0.20	0.6	< 0.020 b	< 0.20	< 0.20	< 0.020 b
	MW-19M-1105	11/14/2005	0.20	< 0.20	0.4	< 0.020 b	< 0.20	< 0.20	< 0.020 b
	MW-19M-0206	02/08/2006	0.30	< 0.20	0.5	< 0.020 b	0.12 b	< 0.20	< 0.020 b
	MW-19M-0506	05/16/2006	< 0.20	< 0.20	0.4	< 0.020 b	0.1 b	< 0.20	< 0.020 b
	MW-19M-0806	08/17/2006	< 0.20	< 0.20	0.3	< 0.020 b	0.11 b	< 0.20	< 0.020 b
	MW-19M-1106	11/08/2006	< 0.20	< 0.20	0.3	< 0.020 b	0.08 b	< 0.20	< 0.020 b
	MW-19M-0207	02/21/2007	< 0.20	< 0.20	0.3	< 0.020 b	0.12 b	< 0.20	< 0.020 b
	MW-19M-0507	05/21/2007	< 0.20	< 0.20	0.20	0.025 b	0.081 b	< 0.20	< 0.020 b
	MW-19M-0807	08/15/2007	< 0.20	< 0.20	0.20	< 0.020 b	0.10 b	< 0.20	0.030 b
	MW-19M-1107	11/12/2007	< 0.20	< 0.20	0.3	< 0.020 b	0.097 b	< 0.20	< 0.020 b
	MW-19M-0208	02/20/2008	< 0.20	< 0.20	0.20	< 0.020 b	0.079 b	< 0.20	< 0.020 b
	MW-19M-0808	08/06/2008	< 0.20	< 0.20	< 0.20	< 0.020 b	0.090 b	< 0.20	< 0.020 b
	MW-19M-1108	11/10/2008	< 0.20	< 0.20	< 0.20	< 0.020 b	0.085 b	< 0.20	< 0.020 b
	MW-19M-0209	02/04/2009	< 0.20	< 0.20	< 0.20	< 0.020 b	0.080 b	< 0.20	< 0.020 b
	MW-19M-0809	08/25/2009	< 0.20	< 0.20	< 0.20	< 0.020 b	0.071 b	< 0.20	< 0.020 b
	MW-19M-0210	02/24/2010	< 0.20	< 0.20	< 0.20	< 0.020 b	0.072 b	< 0.20	< 0.020 b
	MW-19M-0810	08/26/2010	< 0.20	< 0.20	< 0.20	< 0.020 b	0.059 b	< 0.20	< 0.020 b
Deeper Site-Specific MTCA Method B GW Cleanup Level			3.2	590	450	3.3	30	11	2.4
MW-20M* (Intermediate)	MW-20M-0205	03/02/2005	0.1 b	< 0.20	1.3	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-200M-0205 (Dup)	03/02/2005	0.1 b	< 0.20	1.3	< 0.020 b	0.4	< 0.2	0.02 b
	MW-20M-0505	06/01/2005	0.046 b	< 0.20	1	< 0.020 b	0.3	< 0.2	< 0.020 b
	MW-20M-0805	08/11/2005	0.05 b	0.20	1.5	< 0.020 b	0.4	< 0.2	< 0.020 b
	MW-20M-1105	11/15/2005	0.04 b	0.20	1.0	< 0.020 b	0.3	< 0.2	< 0.020 b
	MW-20M-0206	02/08/2006	< 0.20	< 0.20	0.5	< 0.020 b	0.2 b	< 0.2	< 0.020 b
	MW-20M-0506	05/16/2006	< 0.20	< 0.20	1.1	< 0.020 b	0.46 b	< 0.2	< 0.020 b
	MW-20M-0806	08/17/2006	< 0.20	< 0.20	0.9	< 0.020 b	0.43 b	< 0.2	0.02 b
	MW-20M-1106	11/07/2006	< 0.20	< 0.20	0.2	< 0.020 b	0.058 b	< 0.2	< 0.020 b
	MW-200M-1106 (Dup)	11/07/2006	< 0.20	< 0.20	0.2	< 0.020 b	0.056 b	< 0.2	< 0.020 b
	MW-20M-0207	02/23/2007	< 0.20	< 0.20	0.7	< 0.020 b	0.5 b	< 0.2	0.027 b
	MW-20M-0507	05/22/2007	< 0.20	< 0.20	0.8	0.032 b	0.40 b	< 0.2	0.021 b
	MW-20M-0807	08/17/2007	< 0.20	< 0.20	0.5	< 0.020 b	0.28 b	< 0.2	< 0.020 b
	MW-20M-1107	11/13/2007	< 0.20	< 0.20	0.7	< 0.020 b	0.27 b	< 0.2	< 0.020 b
	MW-20M-0208	02/20/2008	< 0.20	< 0.20	0.6	< 0.020 b	0.36 b	< 0.2	< 0.020 b
	MW-20M-0808	08/06/2008	< 0.20	< 0.20	0.5	< 0.020 b	0.32 b	< 0.2	< 0.020 b
	MW-20M-1108	11/10/2008	< 0.20	< 0.20	0.2	< 0.020 b	0.077 b	< 0.2	< 0.020 b
	MW-20M-0209	02/04/2009	< 0.20	< 0.20	0.6	< 0.020 b	0.34 b	< 0.2	< 0.020 b
	MW-20M-0809	08/27/2009	< 0.20	< 0.20	0.5	< 0.020 b	0.31 b	< 0.2	0.020 b
	MW-20M-0210	02/24/2010	< 0.20	< 0.20	0.3	< 0.020 b	0.23 b	< 0.2	< 0.020 b
	MW-20M-0810	08/26/2010	< 0.20	< 0.20	0.5	< 0.020 b	0.25 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 E-2. Historic Groundwater Quality: Volatile Organic Compounds

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-215-1106	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
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
EPI-MW-2D	EPI-MW-2D-0204	02/23/2004	12	22	94	0.021 b	74	< 1	1.1 b
(Intermediate)	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
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 (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-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
Shallow Site-Specific MTCA Method B GW Cleanup Level			3.2	163	590	3.3	6.6	11	1
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
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
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 (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 Jb	< 0.2	0.080 Jb
Deeper Site-Specific MTCA Method B GW Cleanup Level			25	590	341	0.17	2.9	11	1.6

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

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	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
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			25	590	341	0.17	2.9	11	1.6

Table E-2. Historic Groundwater Quality: Volatile Organic Compounds

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
	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
	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
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			25	590	341	0.17	2.9	11	1.6

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", "M", or "D" suffix to denote shallow, intermediate, and deep well, respectively.